



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Kawneer Company, Inc.  
555 Guthridge Court  
Norcross, GA 30092

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "1630-SS-IR Wet Glazed" 8<sup>13</sup>/<sub>16</sub>" Aluminum Curtain Wall System - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 1846, Series titled "8<sup>13</sup>/<sub>16</sub>" Deep 1630-SS-IR Wet Glazed LMI Curtain Wall", sheets 01 through 21 of 21, dated 01/15/13, prepared by W. W. Schafer Engineering & Consulting, P. A., signed and sealed by Warren W. Schafer, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 13-0522.11 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



J. Gascon  
9/9/14

NOA No. 14-0430.32  
Expiration Date: August 08, 2018  
Approval Date: September 18, 2014  
Page 1

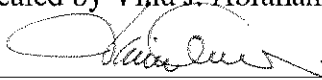
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 13-0522.11)*
2. Drawing No. 1846, Series titled "8<sup>13</sup>/<sub>16</sub>" Deep 1630-SS-IR Wet Glazed LMI Curtain Wall", sheets 01 through 21 of 21, dated 01/15/13, prepared by W. W. Schafer Engineering & Consulting, P. A., signed and sealed by Warren W. Schafer, P. E.  
*(Submitted under previous NOA No. 13-0522.11)*

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a curtain wall system, prepared by Architectural Testing, Inc., Test Report No. ATI-C0439.01-550-18, dated 04/11/13, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 13-0522.11)*
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a curtain wall system, prepared by Architectural Testing, Inc., Test Reports No.'s ATI-C0439.02-550-18, ATI-C0439.03-550-18, ATI-C0439.04-550-18 and ATI-C0439.09-550-18, dated 04/11/13, all signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 13-0522.11)*
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test, Level "E", per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a curtain wall system Impact Test, Level "E", prepared by Architectural Testing, Inc., Test Report No. ATI-C0439.05-550-18, dated 04/11/13, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 13-0522.11)*
4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test, Wind Zone "3", per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a curtain wall system, Impact Test, Wind Zone "3", prepared by Architectural Testing, Inc., Test Report No. ATI-C0439.06-550-18, dated 04/11/13, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 13-0522.11)*

  
Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 14-0430.32  
Expiration Date: August 08, 2018  
Approval Date: September 18, 2014

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**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by W. W. Schafer Engineering & Consulting, P. A., dated 12/18/12, signed and sealed by Warren W. Schafer, P. E.  
(Submitted under previous NOA No. 13-0522.11)
2. Glazing complies with ASTM E1300-04/ 09

**D. QUALITY ASSURANCE**

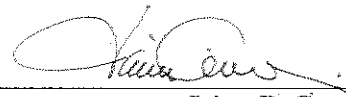
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 13-0129.27 issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. 11-0624.02 issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
3. Notice of Acceptance No. 14-0423.15 issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/19/14, expiring on 12/11/18.
4. Notice of Acceptance No. 14-0423.17 issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/19/14, expiring on 05/21/16.
5. Test Report No. 73703, prepared by Excel Polymers, LLC, an A2LA accredited laboratory, dated 04/11/11, issued to Tremco, Inc. for TREMCO Part No. **TR-20494P** EPDM exterior glazing gasket complying with ASTM D573 70 HRS at 212°F, D412 1800 PSI, D395B 22 HRS at 158°F, D1149 100 HRS at 104°F passed, D325B passed and D2137 3-Minutes at -40°F passed.  
(Submitted under previous NOA No. 13-0522.11)
6. Test Report No. 74326, prepared by Excel Polymers, LLC, an A2LA accredited laboratory, dated 04/26/11, issued to Tremco, Inc. for TREMCO Part No. **TR-20087E** EPDM exterior glazing gasket complying with ASTM D573 70 HRS at 212°F, ASTM D412 1800 PSI, D395B 22 HRS at 158°F, D1149 100 HRS at 104°F passed, D325B passed and D2137 method A 3-Minutes at -40°F passed, D2240 durometer 70<sup>±5</sup> shore A, D624 tear die 200lbf/ in. and D925 migration stain passed.  
(Submitted under previous NOA No. 13-0522.11)

**F. STATEMENTS**

1. Statement letter of conformance and complying with **FBC 5<sup>th</sup> Edition (2014)**, issued by W. W. Schafer Engineering & Consulting, P. A., dated 04/14/14, signed and sealed by Warren W. Schafer, P. E.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 14-0430.32  
Expiration Date: August 08, 2018  
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS (CONTINUED)**

2. Statement letter of conformance to and complying with **FBC-2010**, issued by W. W. Schafer Engineering & Consulting, P. A., dated 01/09/13, signed and sealed by Warren W. Schafer, P. E.  
*(Submitted under previous NOA No. 13-0522.11)*
3. Statement letter of no financial interest and independent, issued by W. W. Schafer Engineering & Consulting, P. A., dated 01/09/13, signed and sealed by Warren W. Schafer, P. E.  
*(Submitted under previous NOA No. 13-0522.11)*
4. Laboratory compliance letters for Test Reports No.'s **ATI-C0439.01-550-18**, **ATI-C0439.02-550-18**, **ATI-C0439.03-550-18**, **ATI-C0439.04-550-18**, **ATI-C0439.05-550-18** and **ATI-C0439.09-550-18**, all issued by Architectural Testing, Inc., all dated 04/11/13, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 13-0522.11)*
5. Proposal No. **11-0217** issued by Product Control, dated 06/15/12, signed by Jaime D. Gascon, P. E.  
*(Submitted under previous NOA No. 13-0522.11)*

**G. OTHERS**

1. Notice of Acceptance No. **13-0522.11**, issued to Kawneer Company, Inc. for their Series "**1630-SS-IR Wet Glazed 8<sup>13</sup>/<sub>16</sub>" Aluminum Curtain Wall System - L.M.I.**", approved on 08/08/13 and expiring on 08/08/18.



Jaime D. Gascon, P.E.

Product Control Section Supervisor

NOA No. 14-0430.32

Expiration Date: August 08, 2018

Approval Date: September 18, 2014

1. THESE CURTAIN WALL SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS--201, 202 & 203 FOR LARGE MISSILE IMPACT CURTAIN WALL SYSTEMS.
5. THESE CURTAIN WALL SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS CURTAIN WALL SYSTEM.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR WOOD SCREW LOAD VERIFICATION ONLY.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
10. THERE SHALL BE NO LIMIT TO THE NUMBER OF HORIZONTAL & VERTICAL PANELS USED FOR ANY JOB PROVIDING ALL RESTRICTIONS ARE MET PER THE ELEVATIONS.

1. DETERMINE IF THE WALL SYSTEM IS TO BE A MULTI-SPAN OR SINGLE SPAN CONDITION. IF MULTI-SPAN, THE ELEVATIONS SHOWN ON SHEET 3 SHALL APPLY. IF A SINGLE SPAN, THE ELEVATIONS SHOWN ON SHEET 4 SHALL APPLY.
2. ALLOWABLE GLASS PRESSURE SHALL BE CONSIDERED WITH ALL WALL CONDITIONS AND SHALL CONTROL IF LESS THAN THOSE ALLOWABLE PRESSURES DETERMINED FOR THE APPLICABLE FRAMING SYSTEM.

OPENING TYPE (SUBSTRATE)	ANCHOR TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
<b>1/4" OR NO. 14 SCREWS/BOLTS</b>			
(4) MIN. 6" WIDE X 2" THICK WOOD FRAME OR BUCK (MIN. GR. 2 & G=0.55)	1/4" LAG OR NO. 14 SMS OR WOOD SCREW	1 3/4"	1"
(4) MIN. 16 GA. 50 KSI METAL STUD, MIN. 1/8" THK A36 STEEL OR MIN. 1/8" THK 6063-T5 ALUMINUM	1/4-14 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
	1/4" GR. 5 CS OR 410 SS BOLT WITH WASHER & LOCK NUT	FULL	1/2"
MIN. 3000 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	2"
<b>5/16" SCREWS/BOLTS</b>			
MIN. 1/8" THK A36 STEEL	5/16-24 GR. 5 SELF TAP/DRILL SCREW	FULL	5/8"
	5/16" GR. 5 CS OR 410 SS BOLT WITH WASHER & LOCK NUT	FULL	5/8"
<b>1/2" SCREWS/BOLTS</b>			
MIN. 1/4" THK A36 STEEL	1/2-13 300 SS HCMS OR GR. 5 CS THREAD FORMING SCREW	FULL	1"
MIN. 1/8" THK A36 STEEL	1/2" GR. 5 CS OR 410 SS BOLT WITH WASHER & LOCK NUT	FULL	1"
(3) MIN. 3000 PSI CONCRETE	(2) 1/2" CONCRETE SCREW ANCHOR	3 3/4"	SEE DETAILS

- HEAD & SILL MEMBERS TO STANDARD VERTICAL SIDE & INTERMEDIATE MEMBERS: VERTICAL MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED AND MECHANICALLY FASTENED THROUGH VERTICAL MEMBERS & INTO THE HORIZONTAL MEMBERS SCREW SPLINES WITH 2 NO. 12 X 1" HWHTF SCREWS. CORNERS ARE SEALED WITH DOW 795 SILICONE SEALANT.
- INTERMEDIATE HORIZONTAL MEMBERS TO STANDARD VERTICAL SIDE & INTERMEDIATE MEMBERS: VERTICAL MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED AND MECHANICALLY FASTENED THROUGH VERTICAL MEMBERS & INTO THE HORIZONTAL MEMBERS SCREW SPLINES WITH 4 NO. 12 X 1" HWHTF SCREWS. CORNERS ARE SEALED WITH DOW 795 SILICONE SEALANT.
- HEAD & SILL MEMBERS TO CORNER FRAMING MEMBER: VERTICAL CORNER MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE MITER CUT, BUTTED AND MECHANICALLY FASTENED TO THE VERTICAL MEMBERS VIA A SHEAR BLOCK (ITEMS #9 OR #10). THE SHEAR BLOCK IS MECHANICALLY FASTENED TO THE VERTICAL CORNER FRAME MEMBERS WITH 4 NO. 12 X 7/16" PHTF SCREWS. THE HORIZONTAL FRAME MEMBERS ARE ATTACHED TO THE SHEAR BLOCK WITH 2 NO. 12 X 5/8" PHTF SCREWS. CORNERS ARE SEALED WITH DOW 795 SILICONE SEALANT.
- INTERMEDIATE HORIZONTAL MEMBERS TO CORNER FRAMING MEMBER: VERTICAL MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED AND MECHANICALLY FASTENED TO THE VERTICAL MEMBERS VIA A SHEAR BLOCK (ITEM #11). THE SHEAR BLOCK IS MECHANICALLY FASTENED TO THE VERTICAL CORNER FRAME MEMBERS WITH 4 NO. 12 X 7/16" PHTF SCREWS. THE HORIZONTAL FRAME MEMBERS ARE ATTACHED TO THE SHEAR BLOCK WITH 4 NO. 12 X 1" PHTF SCREWS. CORNERS ARE SEALED WITH DOW 795 SILICONE SEALANT.

THE MINIMUM & MAXIMUM ALLOWABLE SPACE BETWEEN PERIMETER FRAME MEMBERS & THE OPENING SUBSTRATE OR FINISHES SHALL BE SPECIFIED BY THE ENGINEER OR ARCHITECT OF RECORD FOR EACH JOB BUT SHALL NOT BE LESS THAN 1/2" NOR GREATER THAN 1 3/8". WHEN CONSIDERING TYPE, DEPTH & JOINT SPAN OF SEALANT, THE ENGINEER/ARCHITECT SHALL TAKE INTO CONSIDERATION THE DEFLECTION OF THE JAMB MEMBER THAT WOULD OCCUR WHILE SUPPORTING THE JOB REQUIRED DESIGN WIND PRESSURE. ALSO TO BE CONSIDERED SHALL BE THE MATERIALS & SURFACES TO WHICH THE SEALANT WILL BE APPLIED.

1.  $L/180$  = MEMBER'S UNSUPPORTED SPAN LENGTH DIVIDED BY 180.
2. THIS IS THE MAXIMUM ALLOWABLE DEFLECTION AS RESTRICTED BY TESTING & THE BUILDING CODE. IF JOB CONDITIONS REQUIRE LESS DEFLECTION, THE JOB CONDITIONS SHALL CONTROL.

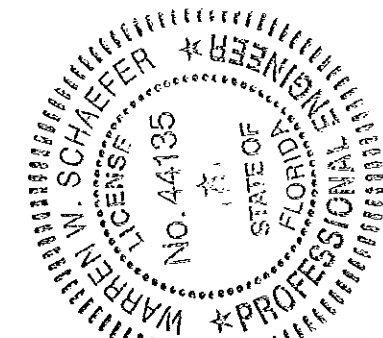
1. THE ABOVE STATED PRESSURES ARE THE MAXIMUM ALLOWED ON ANY JOB REGARDLESS OF WHAT THE JOB SPECIFIC DESIGN RESULTS MAY SHOW. INCREASE OF ALLOWABLE DESIGN PRESSURE ON ANY JOB IS CONSIDERED OUTSIDE THE SCOPE OF THIS APPROVAL. SEE "CURTAIN WALL DESIGN NOTES" ON THIS SHEET FOR ACTUAL JOB DESIGN CONDITIONS.

2. SEE "GLASS D.L.O. SIZE VS. PRESSURE" TABLE ON THIS SHEET FOR GLASS PRESSURE RESTRICTIONS. THE LESSER OF THE ALLOWABLE PRESSURE ON THE FRAMING SYSTEM AND THAT OF THE GLASS SHALL CONTROL FOR THE OVERALL SYSTEM.

GLASS OPTIONS	MAXIMUM D.L.O. WIDTH	MAXIMUM D.L.O. HEIGHT	MISSILE LEVEL RATING	ALLOWABLE DESIGN PRESSURE
1 & 2	48"	93"	D	+/-70 PSF
	93"	48"	D	+/-70 PSF
3 & 4	60"	93"	D	+/-130 PSF
	93"	60"	D	+/-130 PSF

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptances No. 14-C  
Expiration Date 08/08  
By [Signature]  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date 08/08/201  
NOA# 13-0522  
Miami-Dade Product Control  
By [Signature]



DRAWING NO.	REV.
SHEET NO. 1 OF 21	
CERTIFICATION  APR 08 2013 WARREN W. SCHAEFER P.E. P.E. NO. 44133	DRAWING TITLE 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
PLOT: 1=48	CHECKED BY: N.W.S. DATE: 01/15/13
DRAWN BY: W.R.M.	
NO.	REVISION DESCRIPTION
BY	DATE

WIND LOAD ANCHOR REACTION LOAD  
CAPACITY  
(MULTI & SINGLE SPAN CURTAIN WALL)

MEMBER TYPE	(1) MAXIMUM ALLOWABLE REACTION LOAD
SIDE	6125 LBS
INTERMEDIATE	11789 LBS
CORNER	(2) 8661 LBS

(1) WIND LOAD ANCHORS ARE APPLICABLE FOR WIND LOAD RESISTANCE ONLY. THEY ARE NOT APPLICABLE FOR SUPPORT OF WALL WEIGHT.

(2) REACTION LOAD SHOWN FOR THE CORNER ANCHORS IS THE RESULTANT LOAD IN THE PLANE OF THE MULLION (LOAD FROM BOTH SIDES COMBINED INTO A RESULTANT). FOR EITHER SIDE LOAD, THE ALLOWABLE REACTION LOAD SHALL NOT EXCEED 6125 LBS FROM EITHER SIDE.

(1) WIND LOAD ANCHORS ARE APPLICABLE FOR WIND LOAD RESISTANCE ONLY. THEY ARE NOT APPLICABLE FOR SUPPORT OF WALL WEIGHT.

(2) REACTION LOAD SHOWN FOR THE CORNER ANCHORS IS THE RESULTANT LOAD IN THE PLANE OF THE MULLION (LOAD FROM BOTH SIDES COMBINED INTO A RESULTANT). FOR EITHER SIDE LOAD, THE ALLOWABLE REACTION LOAD SHALL NOT EXCEED 6125 LBS FROM EITHER SIDE.

(2) VERTICAL MEMBER	(3) MAXIMUM ALLOWABLE BENDING MOMENT (POS & NEG)
SIDE MEMBER WITH REINFORCEMENT "R0"	(5) 61558 IN-LB
SIDE MEMBER WITH REINFORCEMENT "R1"	(5) 104060 IN-LB
SIDE MEMBER WITH REINFORCEMENT "R2"	(5) 104060 IN-LB
INTERMEDIATE MEMBER WITH NO REINFORCEMENT	56110 IN-LB
INTERMEDIATE MEMBER WITH REINFORCEMENT "R1"	98309 IN-LB
INTERMEDIATE MEMBER WITH REINFORCEMENT "R2"	185145 IN-LB
CORNER MEMBER WITH REINFORCEMENT "R3"	(4) 147141 IN-LB

NOTES:

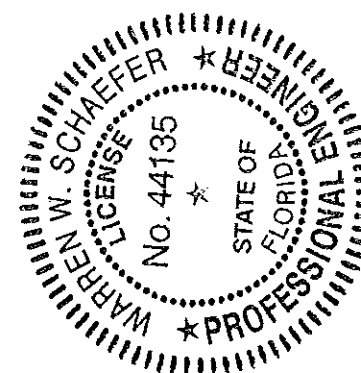
- (1) THE VALUES IN THIS TABLE ARE APPLICABLE TO THE JOB REQUIRED DESIGN OF THE MULTI-SPAN & SINGLE SPAN WALL SYSTEMS.
- (2) FOR DESCRIPTIONS OF REINFORCEMENTS, SEE THE "VERTICAL MEMBER REINFORCEMENT LEGEND".
- (3) ALL VALUES ARE BASED ON THE LESSER OF TESTED MOMENT AND ALLOWABLE MOMENT.
- (4) MOMENT VALUE SHOWN FOR THE CORNER MULLION IS DUE TO THE RESULTANT LOAD IN THE PLANE OF THE MULLION (LOAD FROM BOTH SIDES COMBINED INTO A RESULTANT). FOR SINGLE SIDE LOAD, THE ALLOWABLE MOMENT SHALL NOT EXCEED 104060 IN-LB. IN THAT DIRECTION (LOAD VECTOR 45 DEGREES TO MULLION ANGLE).
- (5) WHEN 2 SIDE MEMBERS ARE USED TO FORM A CORNER, EACH SIDE MEMBER SHALL BE RESTRICTED TO THE INDIVIDUAL ALLOWABLE MOMENT SHOWN IN THIS TABLE (EACH CONSIDERED TO RESIST ITS OWN SINGLE SIDE LOAD).


☐R0 = NO REINFORCEMENT  
☐R1 = REINFORCED WITH 1 STEEL BAR PART NUMBER 28  
☐R2 = REINFORCED WITH 2 STEEL BARS PART NUMBER 28  
☐R3 = REINFORCED WITH 3 STEEL CHANNELS PART  
 NUMBERS 29, 30 & 31

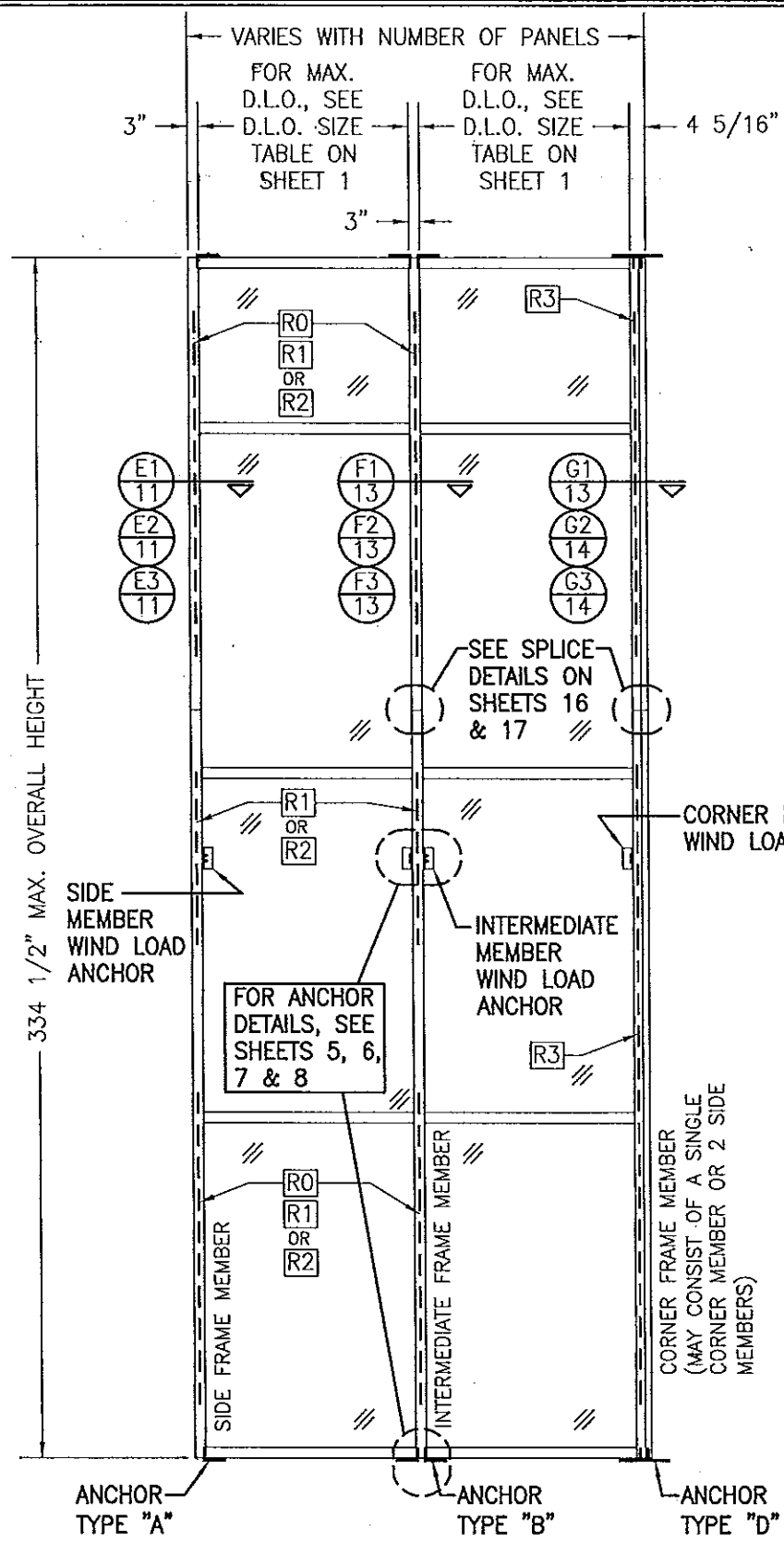
SEE PARTS DRAWINGS & PARTS LIST FOR APPLICABLE  
REINFORCEMENT MEMBERS & THEIR DETAIL.

PRODUCT REVISED  
as complying with the Florida  
Building Code 14-0430.32  
Acceptance No. \_\_\_\_\_  
Expiration Date 08/08/2018  
By Karin Oros  
Miami Dade Product Control

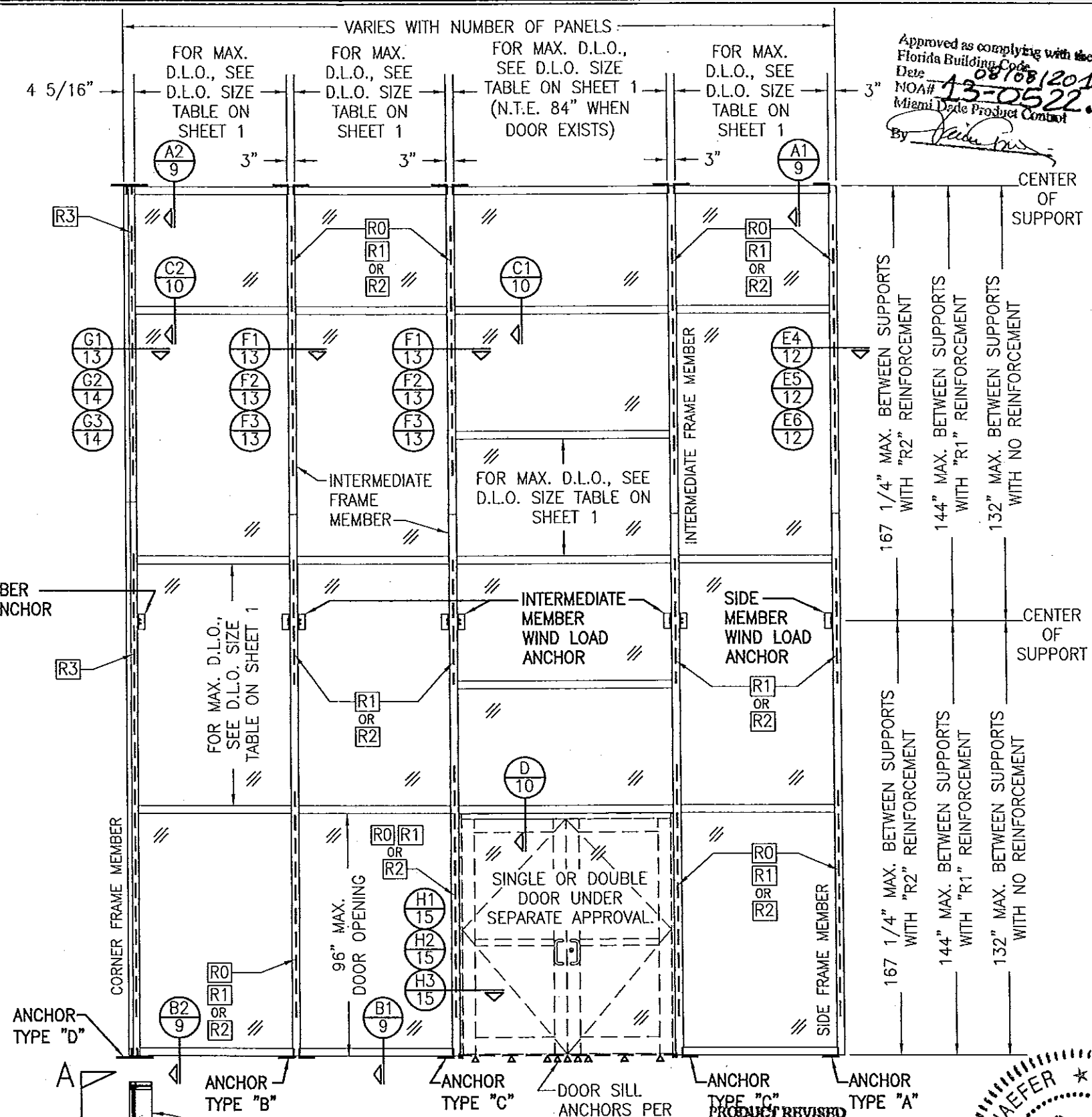
Approved as complying with the  
Florida Building Code  
Date 09/08/2013  
NOA# 13-0522-1  
Miami Dade Product Control  
By [Signature]



<div>CERTIFICATION</div> <div>APR 02 2013</div> <div></div>	DRAWING NO.		R	
	1846			
	SHEET NO.		21	
	2		OF	
	DRAWING TITLE			
	8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS		MANUFACTURER		
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		KAWNEER COMPANY, INC.		
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418		555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555		
DRAWN BY: W.R.M.				
CHECKED BY: W.W.S.				
PLOT: 1=48		DATE: 01/15/13		
NO.	REVISION DESCRIPTION	BY	DATE	

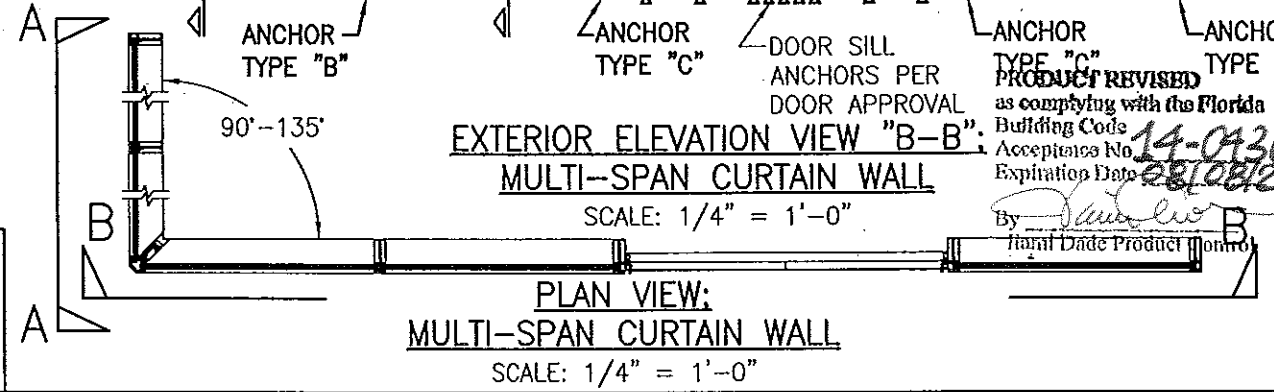


EXTERIOR ELEVATION VIEW "A-A":  
MULTI-SPAN CURTAIN WALL  
SCALE: 1/4" = 1'-0"



EXTERIOR ELEVATION VIEW "B-B":  
MULTI-SPAN CURTAIN WALL  
SCALE: 1/4" = 1'-0"

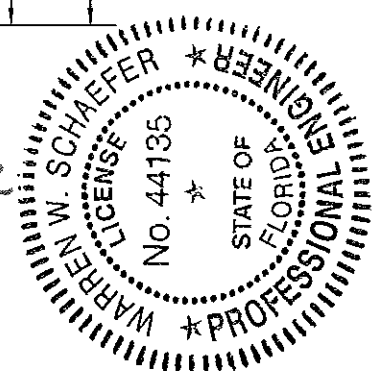
**VERTICAL FRAME MEMBER END ANCHOR NOTE:**  
END ANCHORS AT THE TOP ENDS MAY BE TYPES "A", "B" OR "D" AS SPECIFIED AT THE BASE OR THEY MAY BE SUBSTITUTED WITH WIND LOAD ANCHORS. IF WIND LOAD ANCHORS ARE USED, THEY MUST BE POSITIONED SUCH THAT THE WIND LOAD ANCHOR TOP EDGE IS NO MORE THAN 6" DOWN FROM THE VERTICAL MEMBER END.



PLAN VIEW:  
MULTI-SPAN CURTAIN WALL  
SCALE: 1/4" = 1'-0"

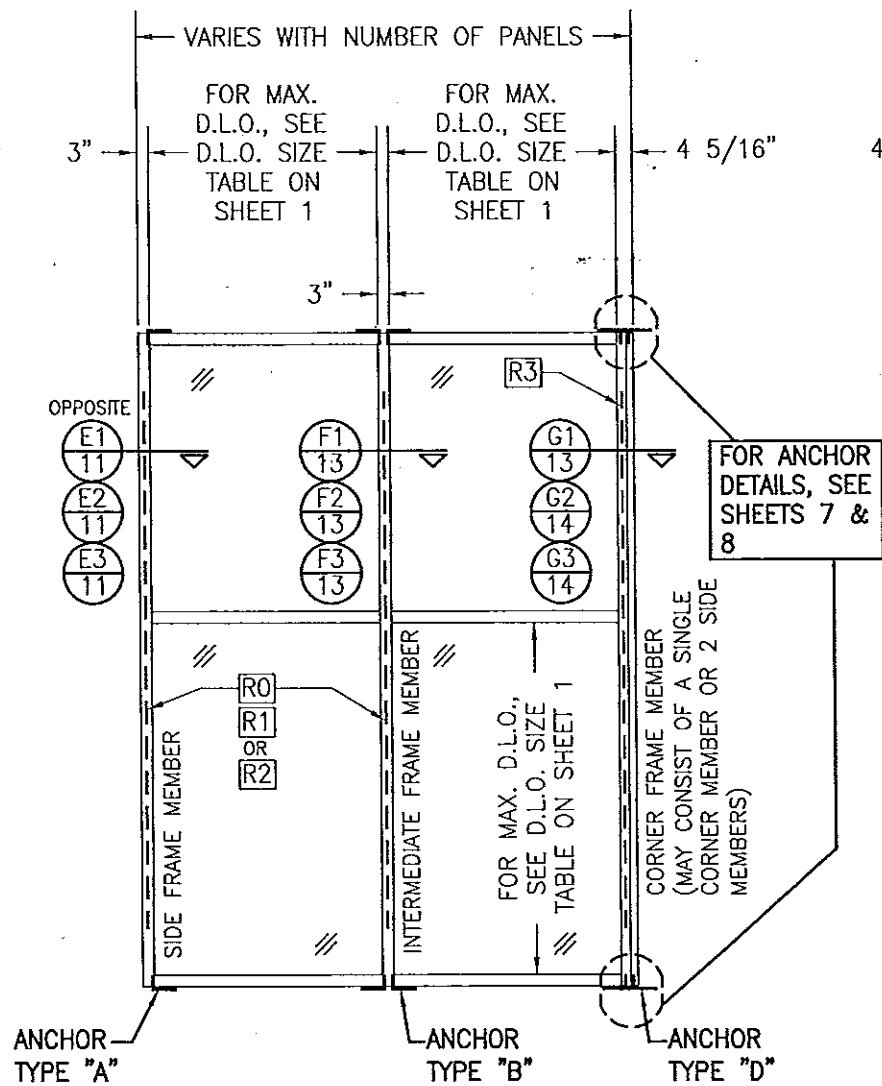
Approved as complying with the  
Florida Building Code  
Date: 08/08/2013  
NOA# 13-0522.11  
By: [Signature]

CENTER OF SUPPORT  
167 1/4" MAX. BETWEEN SUPPORTS WITH "R2" REINFORCEMENT  
144" MAX. BETWEEN SUPPORTS WITH "R1" REINFORCEMENT  
132" MAX. BETWEEN SUPPORTS WITH NO REINFORCEMENT  
CENTER OF SUPPORT

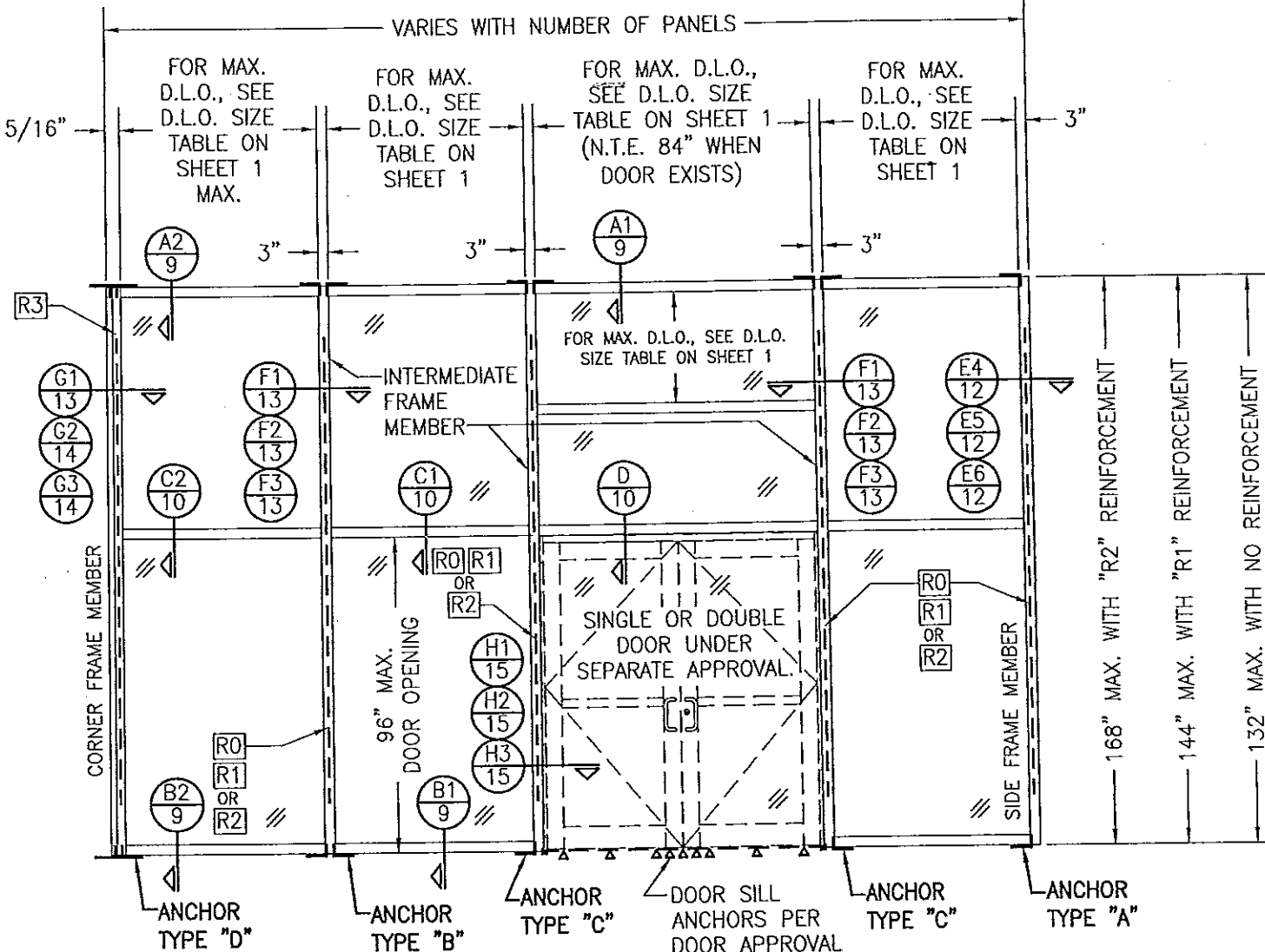


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=48		DATE: 01/15/13	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: KAWNEER COMPANY, INC.	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION: APR 02 2013		DRAWING NO. 1846	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		SHEET NO. 3 OF 21	

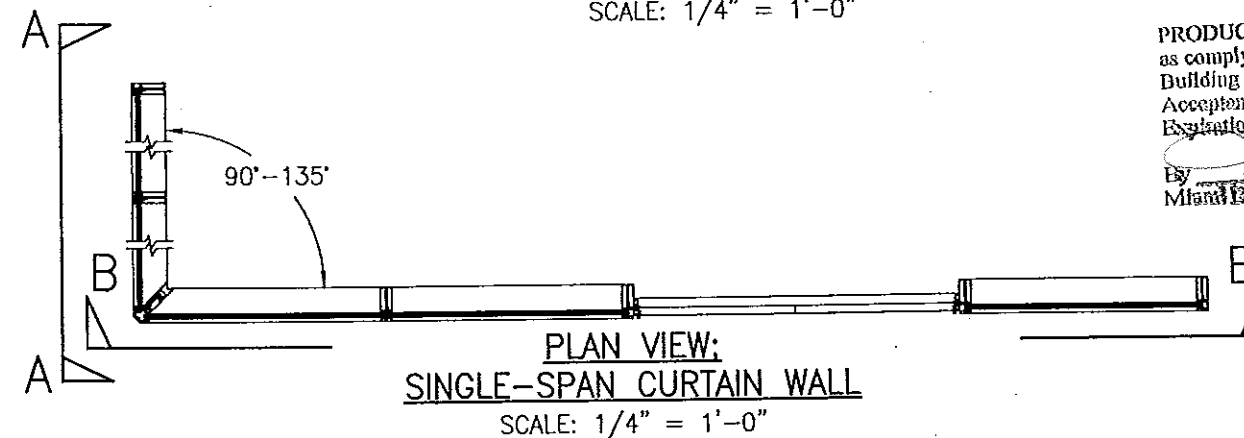




EXTERIOR ELEVATION VIEW "A-A";  
SINGLE-SPAN CURTAIN WALL  
SCALE: 1/4" = 1'-0"



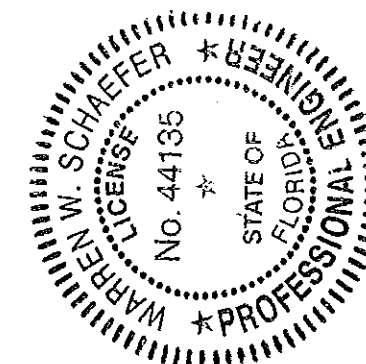
EXTERIOR ELEVATION VIEW "B-B";  
SINGLE-SPAN CURTAIN WALL  
SCALE: 1/4" = 1'-0"



**VERTICAL FRAME MEMBER END ANCHOR NOTE:**  
END ANCHORS AT THE TOP ENDS MAY BE TYPES "A", "B" OR "D" AS SPECIFIED AT THE BASE OR THEY MAY BE SUBSTITUTED WITH WIND LOAD ANCHORS. IF WIND LOAD ANCHORS ARE USED, THEY MUST BE POSITIONED SUCH THAT THE WIND LOAD ANCHOR TOP EDGE IS NO MORE THAN 6" DOWN FROM THE VERTICAL MEMBER END.

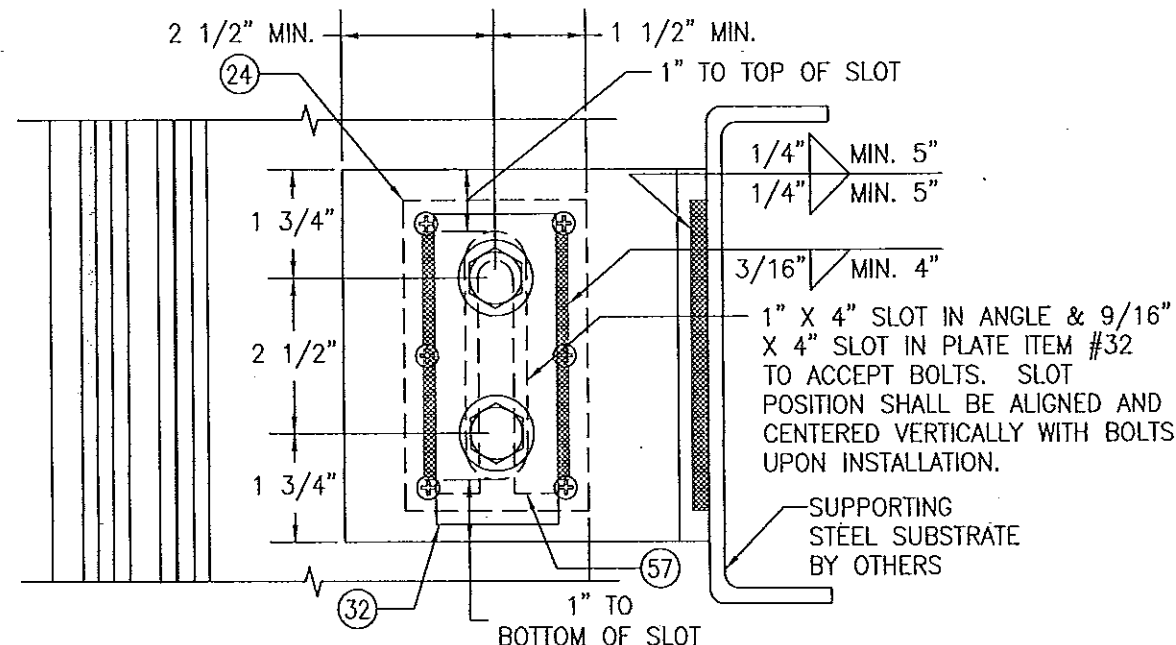
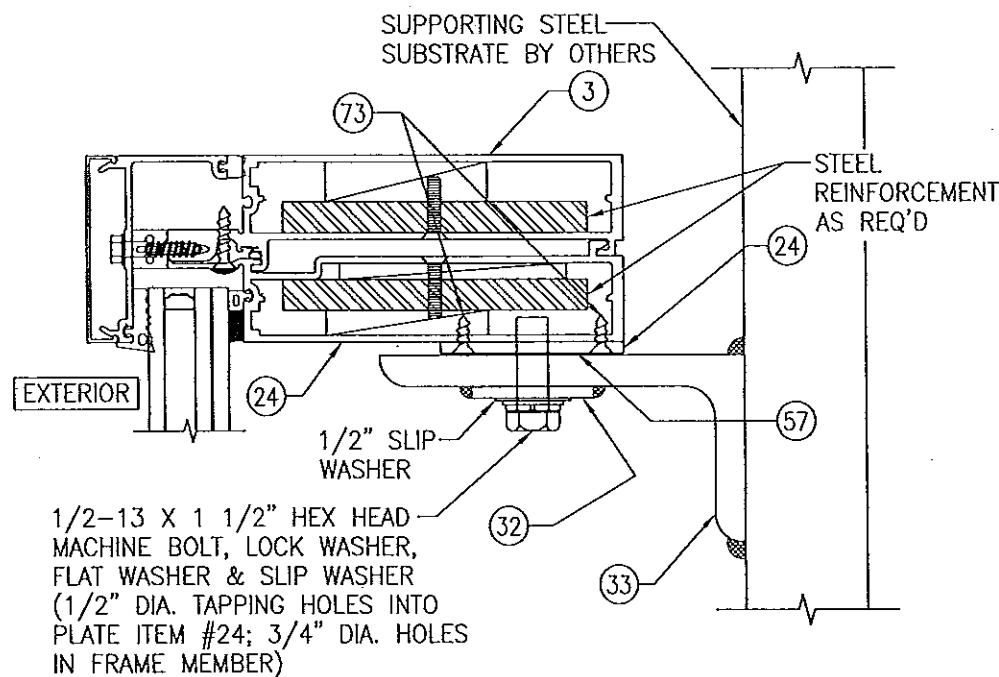
Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control  
By [Signature]

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as complying with the Florida  
Building Code  
Acceptance No. 14-0430.32  
Expiration Date 08/08/2018  
By [Signature]  
Miami Dade Product Control



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=48		DATE: 01/15/13	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION: APR 02 2013			
DRAWING NO. 1846			
SHEET NO. 4 OF 21			





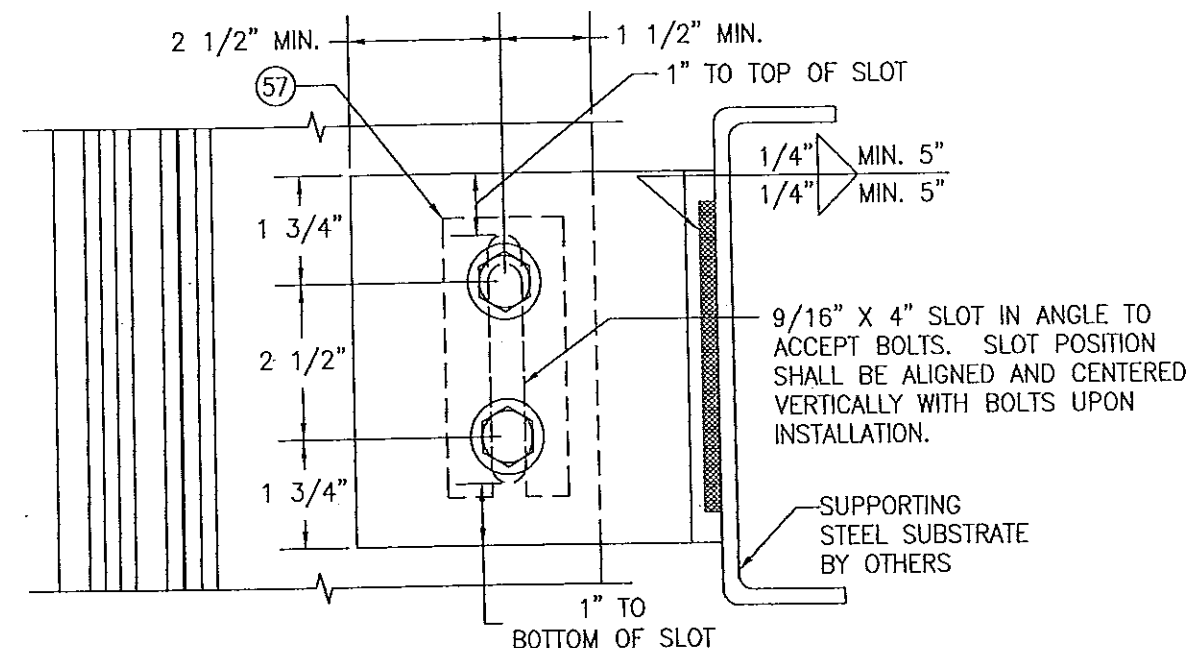
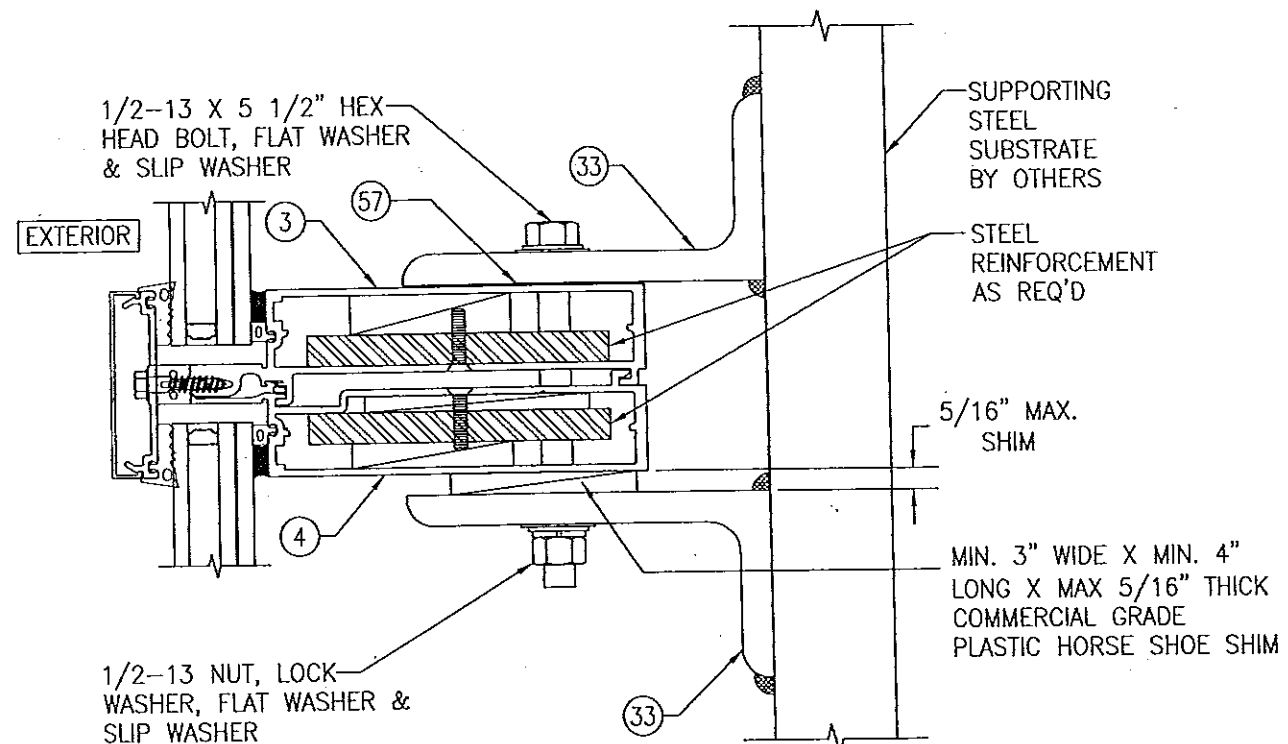
### STANDARD WIND LOAD ANCHOR AT SIDE MEMBERS

SCALE: 1/3 FULL

(FOR INFORMATION NOT SHOWN, SEE APPLICABLE  
SECTIONS E1/11 THROUGH E6/12.)

NOTE: ALL 1/2" BOLTS  
CONNECTING ANGLES TO  
MEMBERS SHALL BE GRADE  
5 STEEL OR 300 SERIES  
STAINLESS STEEL.

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Expiration Date 08/08/2018  
By [Signature]  
Miami Dade Product Control

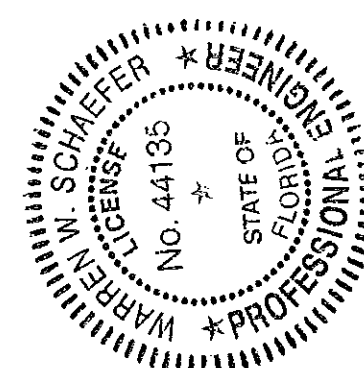


### STANDARD WIND LOAD ANCHOR AT INTERMEDIATE MEMBERS

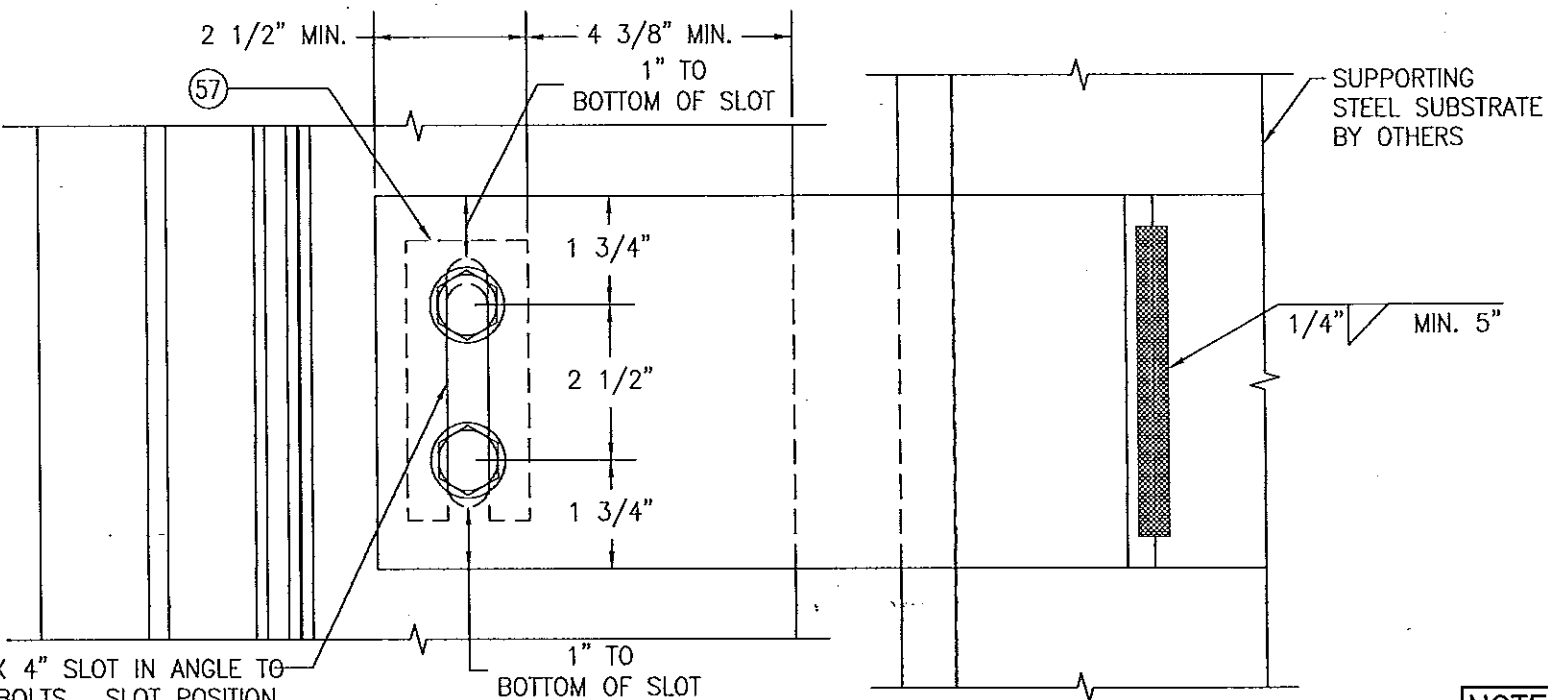
SCALE: 1/3 FULL

(FOR INFORMATION NOT SHOWN, SEE APPLICABLE  
SECTIONS F1/13 THROUGH F3/13.)

Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control  
By [Signature]

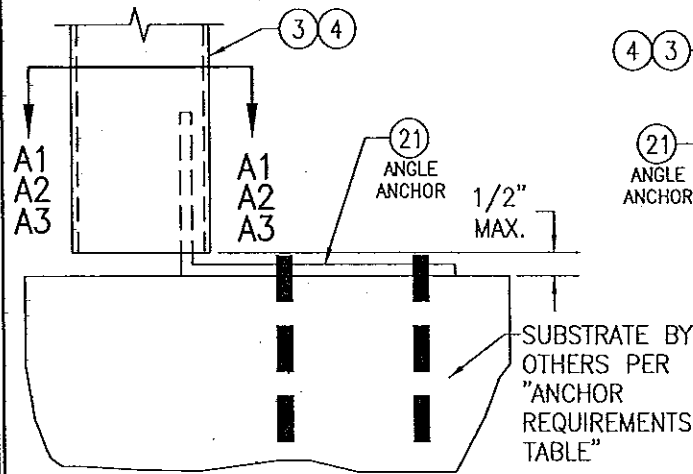


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=3	DATE: 01/15/13
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION APR 02 2013	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1846	REV.
SHEET NO. 5	OF 21

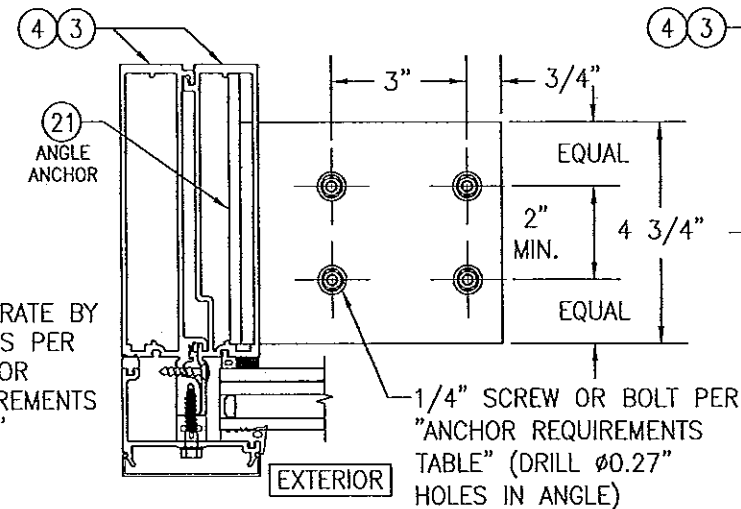


A circular professional engineer seal for Warren W. Schaefer. The outer ring contains the text "WARREN W. SCHAEFER" on the left and "PROFESSIONAL ENGINEER" on the right, separated by a star. The inner circle contains the text "LICENSE" on the left, "No. 44135" in the center, and "STATE OF FLORIDA" on the right, also separated by a star. The seal is surrounded by a decorative border of small vertical lines.

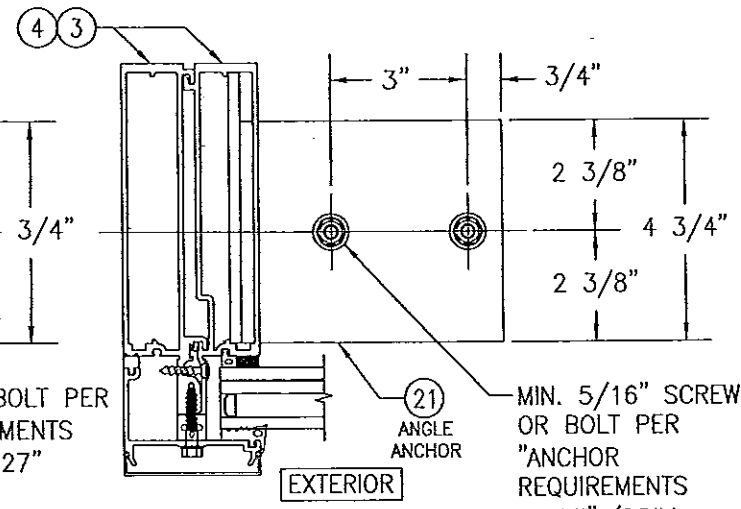
DRAWING NO.		1846		REVISION	
SHEET NO.		6		OF 21	
<div style="display: flex; justify-content: space-between;"> <div> <p><u>CERTIFICATION</u></p> <p>APR 02 2013</p> <p>WARREN W. SCHAEFER P.E.</p> </div> <div> <p>DRAWING TITLE</p> <p>8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL</p> </div> </div>					
<p>CONSULTANTS</p> <p>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</p> <p>7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418</p>		<p>MANUFACTURER</p> <p>KAWNEER COMPANY, INC.</p> <p>555 GUTHRIDGE COURT NORCROSS, GA 30092</p> <p>770-449-5555</p>			
DRAWING NO.		1846		REVISION	
SHEET NO.		6		OF 21	
DRAWING TITLE		8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS		W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418			
MANUFACTURER		KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555			
DRAWN BY:		W.R.M.		CHECKED BY:	
PLOT:		1-3		DATE:	
NO.		REVISION DESCRIPTION		BY	
DATE					



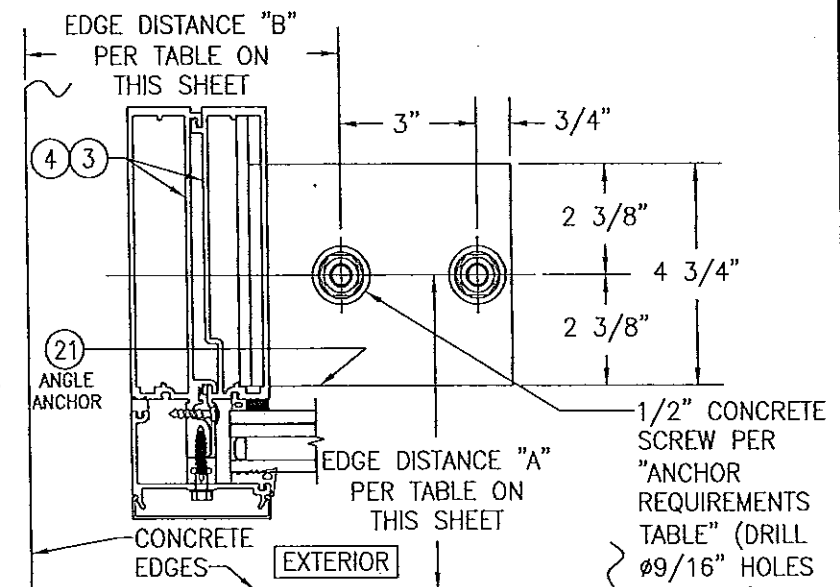
**SIDE MEMBER ANCHOR TYPE "A"**  
SCALE: 1/4 FULL



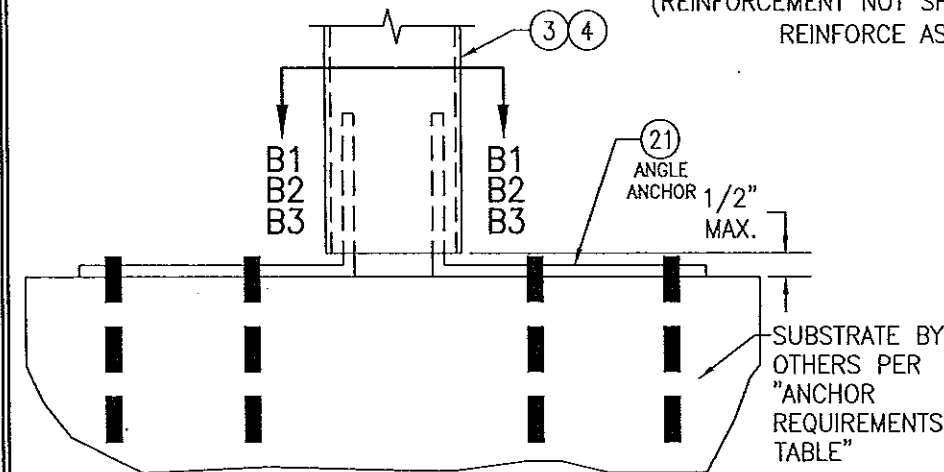
**SECTION "A1" (INTO WOOD, CONCRETE, STEEL, METAL STUD OR ALUMINUM)**  
SCALE: 1/4 FULL  
(REINFORCEMENT NOT SHOWN FOR CLARITY, REINFORCE AS REQ'D)



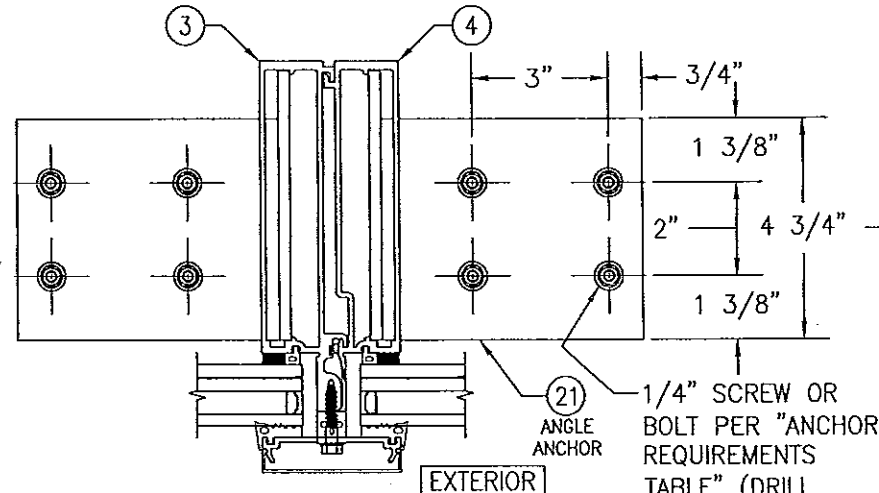
**SECTION "A2" (INTO STEEL)**  
SCALE: 1/4 FULL



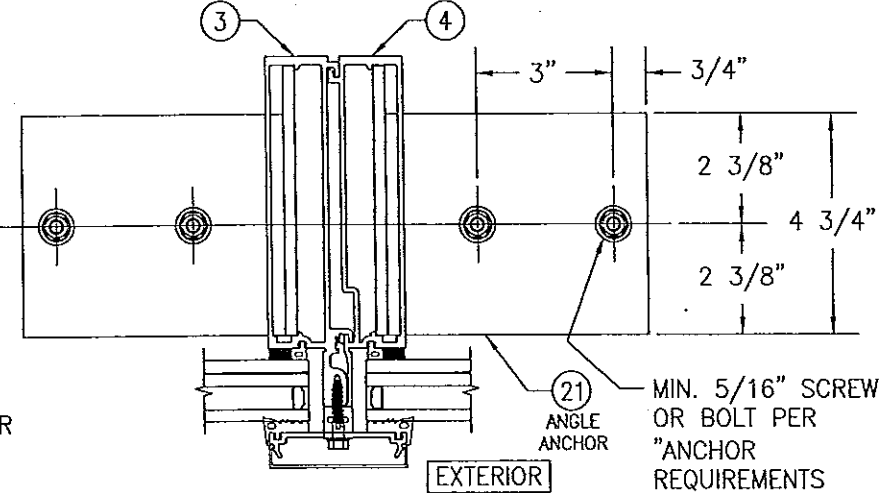
**SECTION "A3" (INTO CONCRETE)**  
SCALE: 1/4 FULL



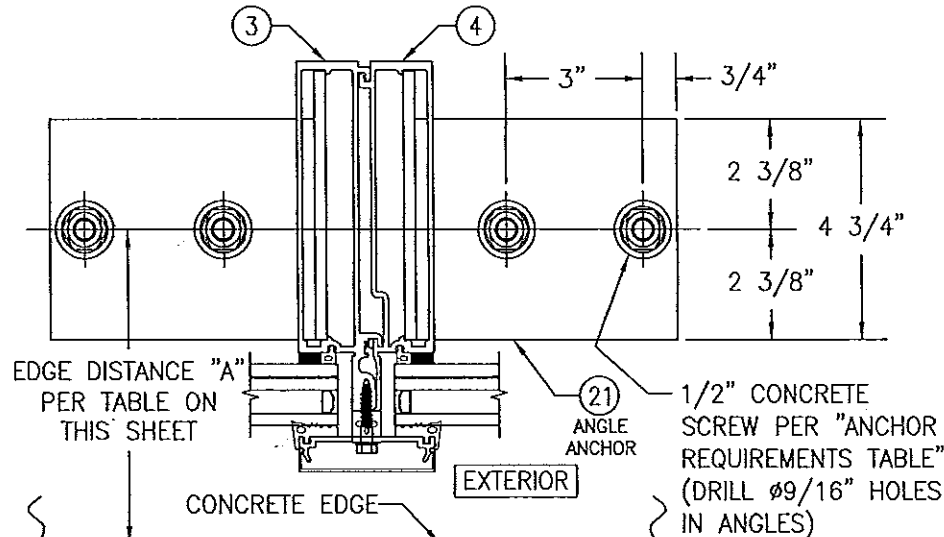
**INTERMEDIATE MEMBER ANCHOR TYPE "B"**  
SCALE: 1/4 FULL



**SECTION "B1" (INTO WOOD, METAL STUD & ALUMINUM)**  
SCALE: 1/4 FULL



**SECTION "B2" (INTO STEEL)**  
SCALE: 1/4 FULL

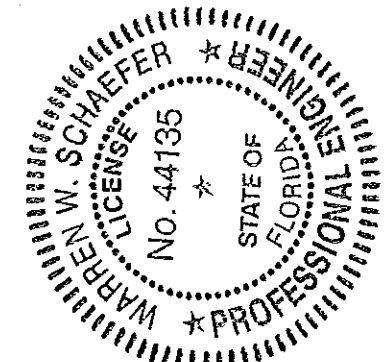


**SECTION "B3" (INTO CONCRETE)**  
SCALE: 1/4 FULL

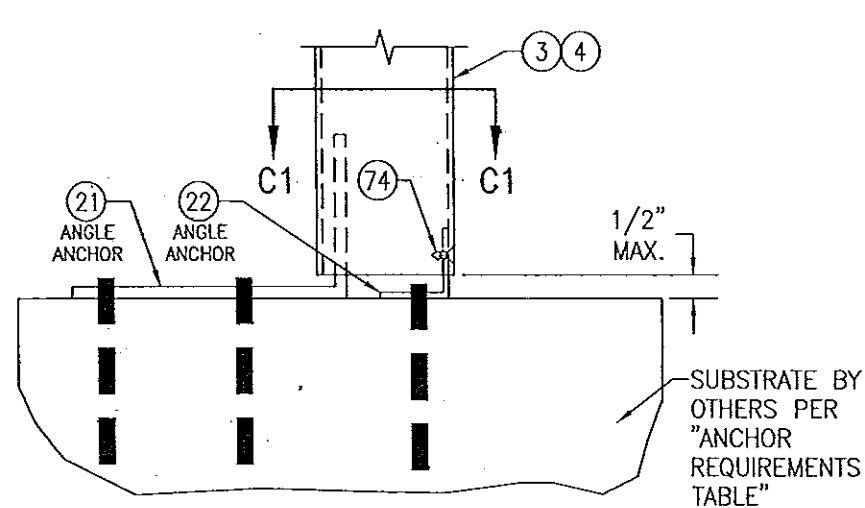
CONCRETE EDGE DISTANCE & THICKNESS REQUIREMENTS			
SECTION	MINIMUM SLAB THICKNESS	MINIMUM EDGE DIST. "A"	MINIMUM EDGE DIST. "B"
"A3"	6"	5"	4 1/2"
"B3"	7 1/2"	5"	N/A
	6"	6"	N/A

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0430-32  
Expiration Date 08/08/2018  
By: [Signature]  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date 08/08/2018  
NOAH 13-0522-11  
Miami Dade Product Control  
By: [Signature]

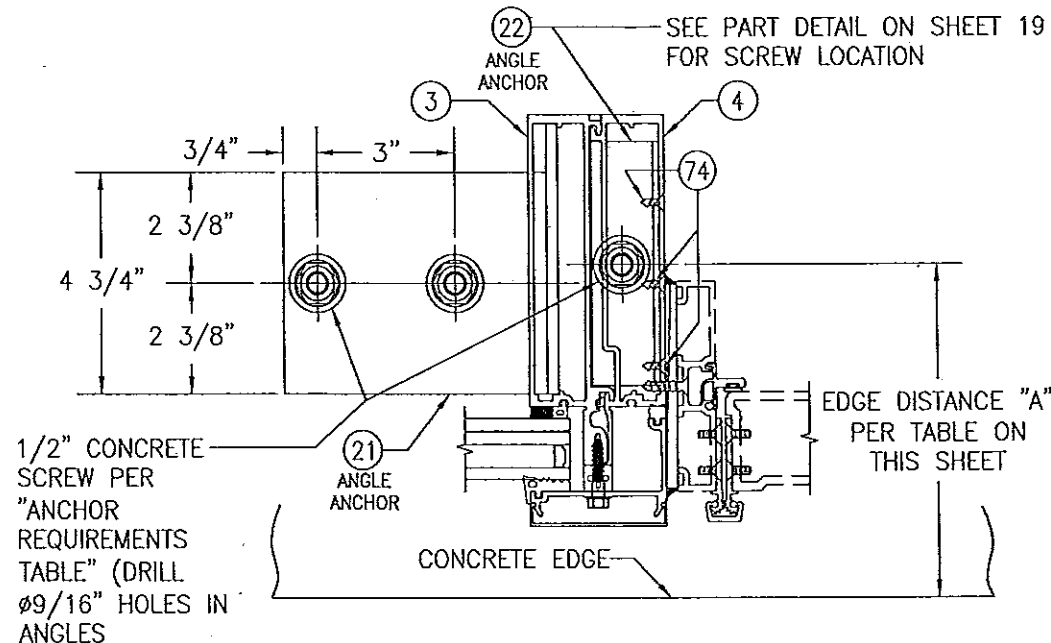


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=4		DATE: 01/15/13	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION	APR 02 2013		
DRAWING NO. 1846	REV. 7	SHEET NO. 21	



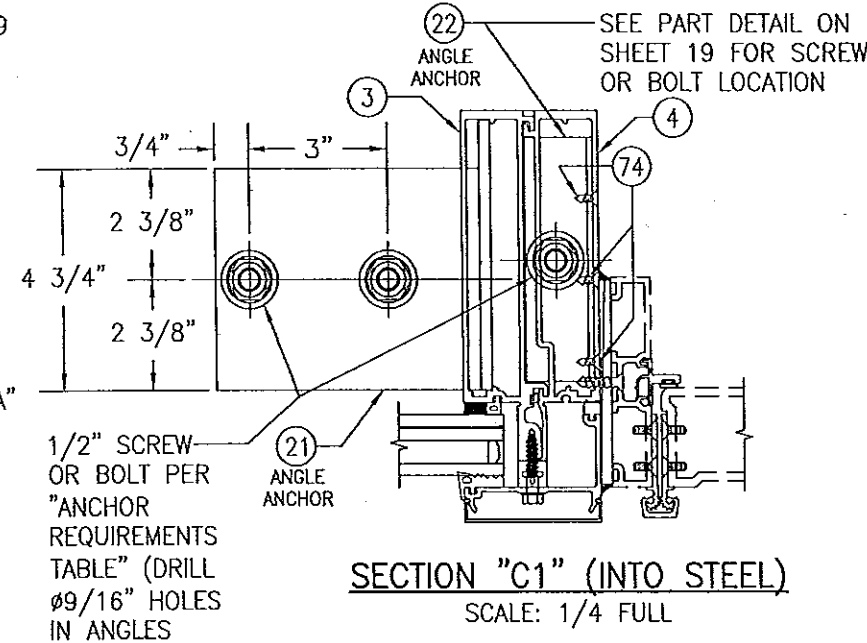
**INTERMEDIATE MEMBER ANCHOR TYPE "C"**  
(APPLICABLE AT BASE OF DOOR OPENINGS)

SCALE: 1/4 FULL



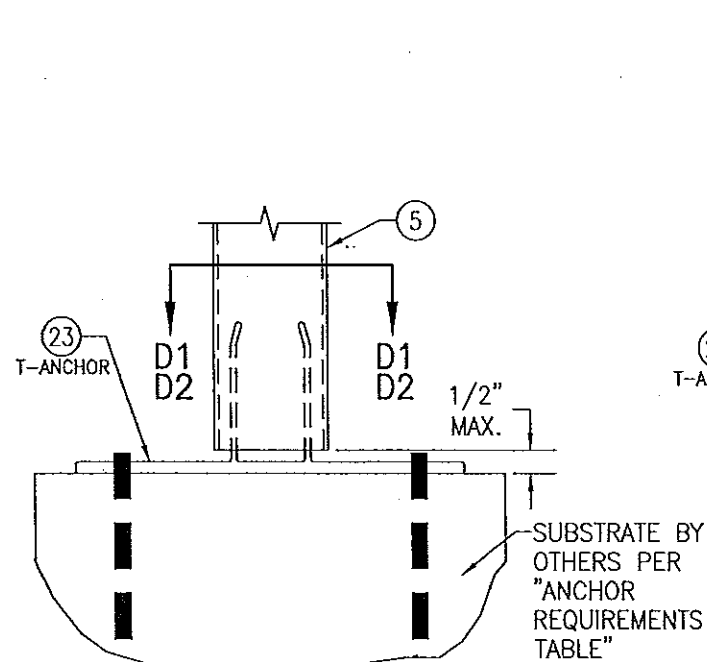
**SECTION "C1" (INTO CONCRETE)**

SCALE: 1/4 FULL



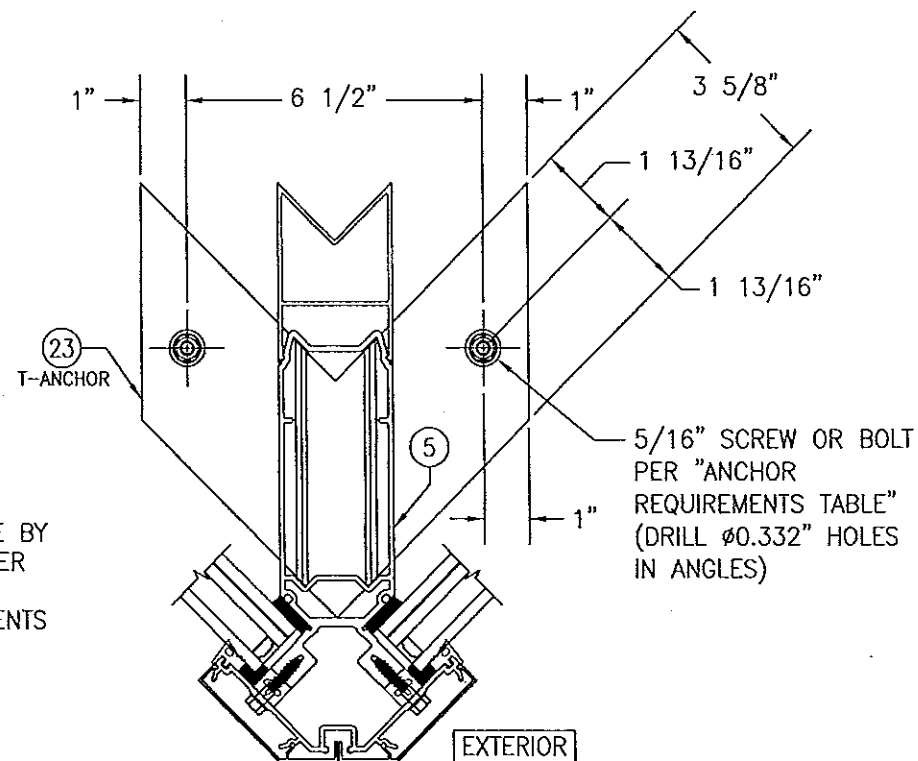
**SECTION "C1" (INTO STEEL)**

SCALE: 1/4 FULL



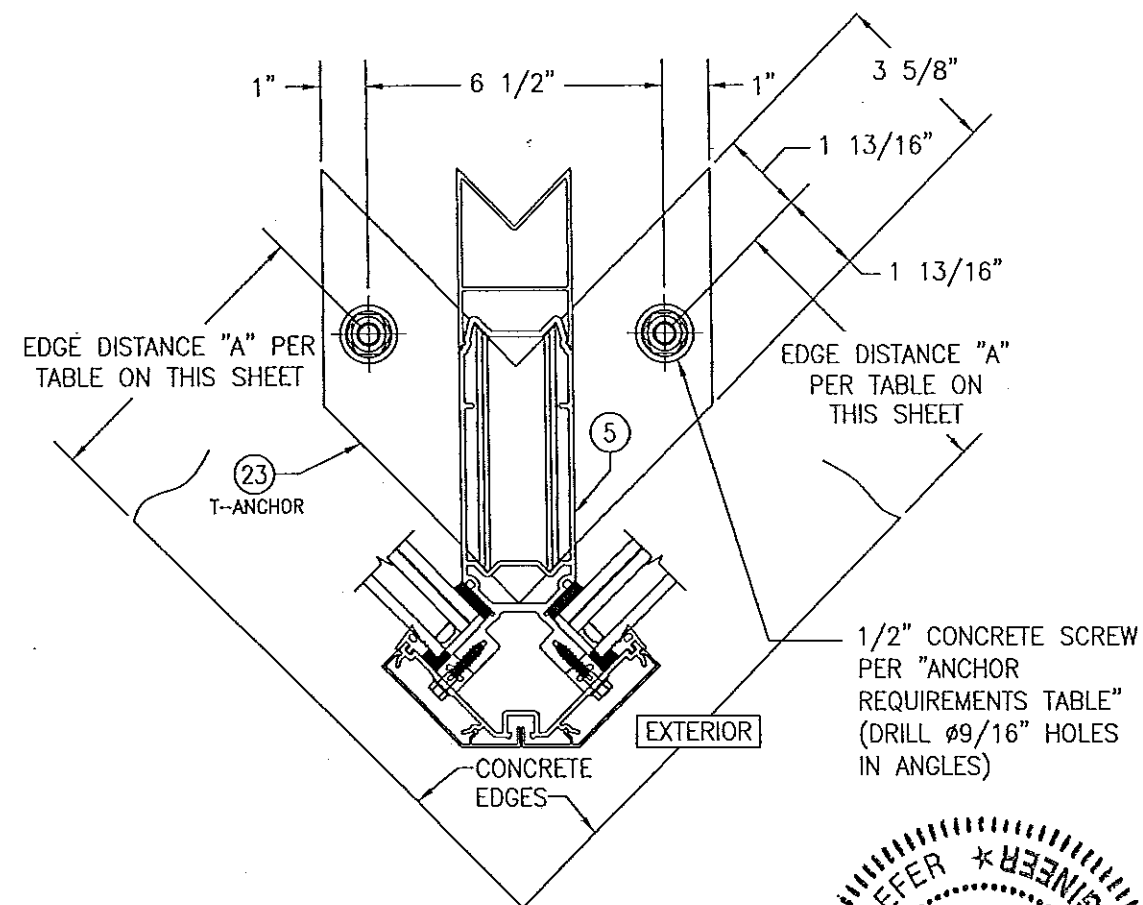
**CORNER MEMBER ANCHOR TYPE "D"**

SCALE: 1/4 FULL



**SECTION "D1" (INTO STEEL)**

SCALE: 1/4 FULL



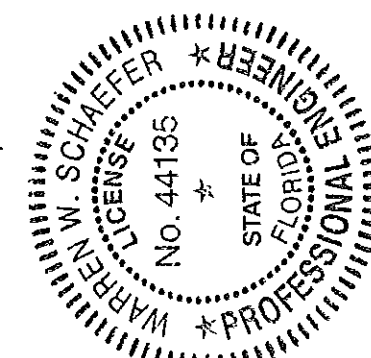
**SECTION "D2" (INTO CONCRETE)**

SCALE: 1/4 FULL

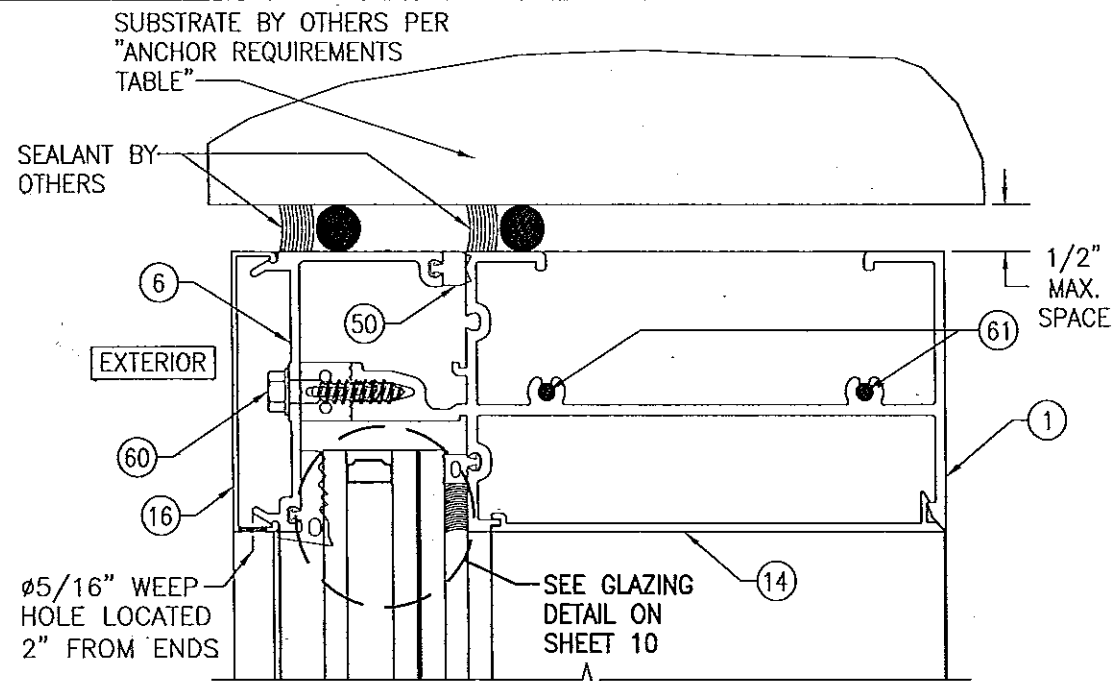
CONCRETE EDGE DISTANCE & THICKNESS REQUIREMENTS		
SECTION	MINIMUM SLAB THICKNESS	MINIMUM EDGE DIST. "A"
"C1"	7 1/2"	5 3/4"
	6"	6 3/4"
"D2"	6"	5"

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as complying with the Florida  
Building Code  
Acceptance No. 14-0430.32  
Expiration Date 08/08/2018  
By [Signature]  
Miami Dade Product Control

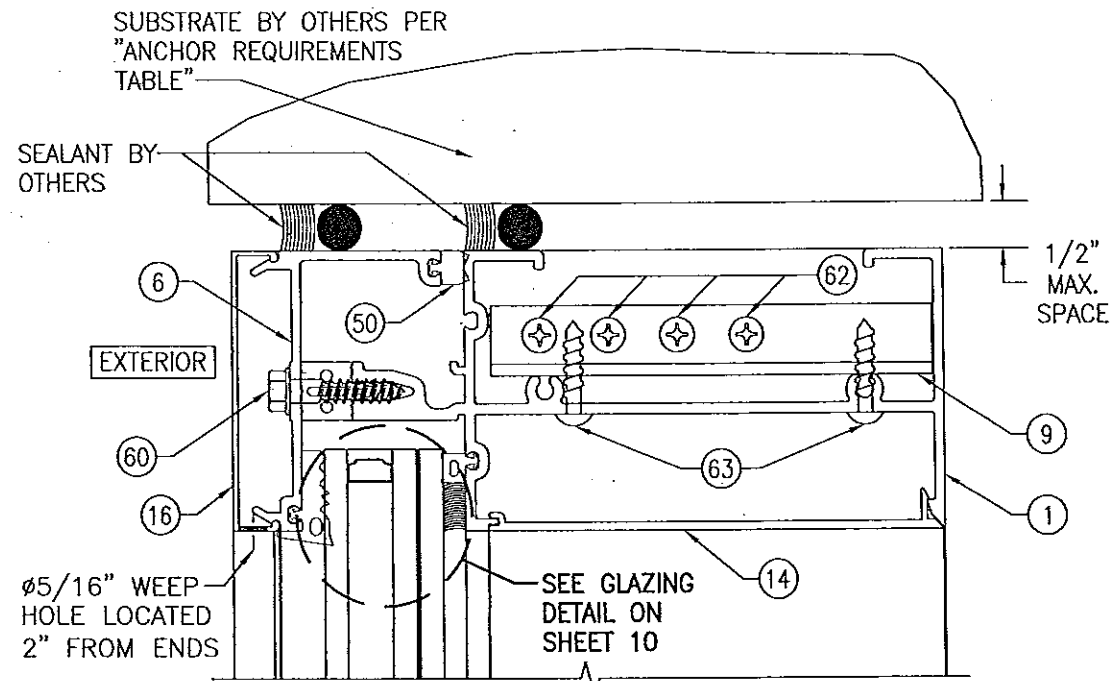
Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control  
By [Signature]



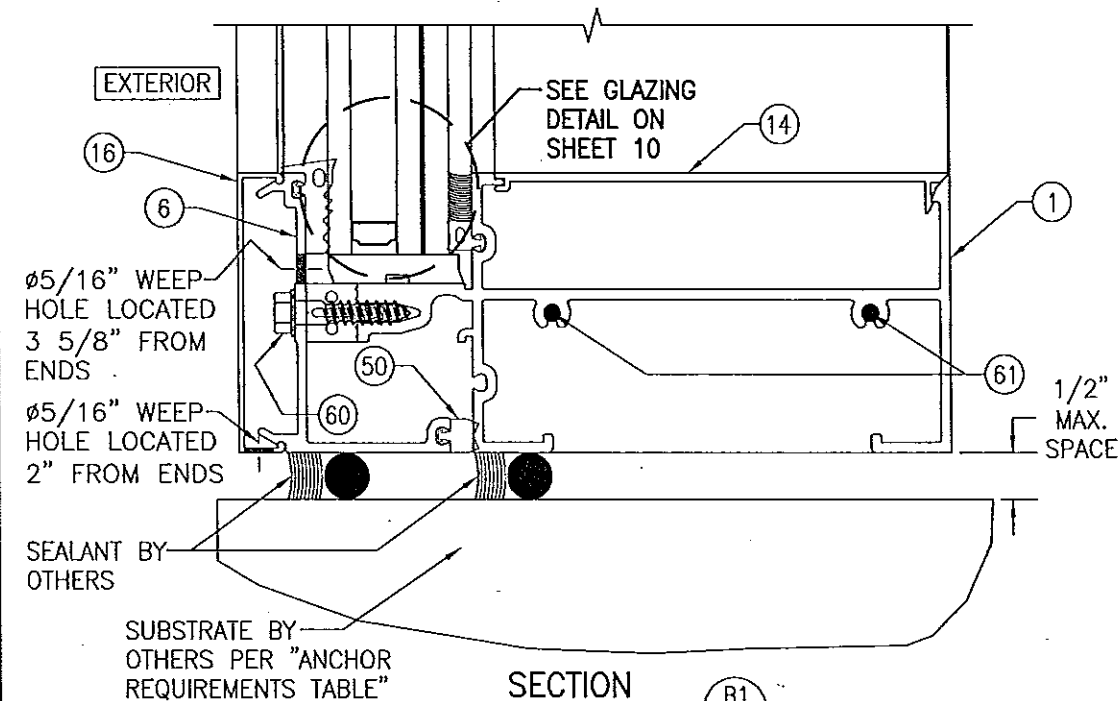
DRAWING TITLE <b>8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL</b>	
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
DATE: 1-4	DATE: 01/15/13
NO.	REVISION DESCRIPTION
MANUFACTURER <b>KAWNEER COMPANY, INC.</b> 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION <b>APR 02 2013</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1846</b>	REV.
SHEET NO. <b>8 OF 21</b>	



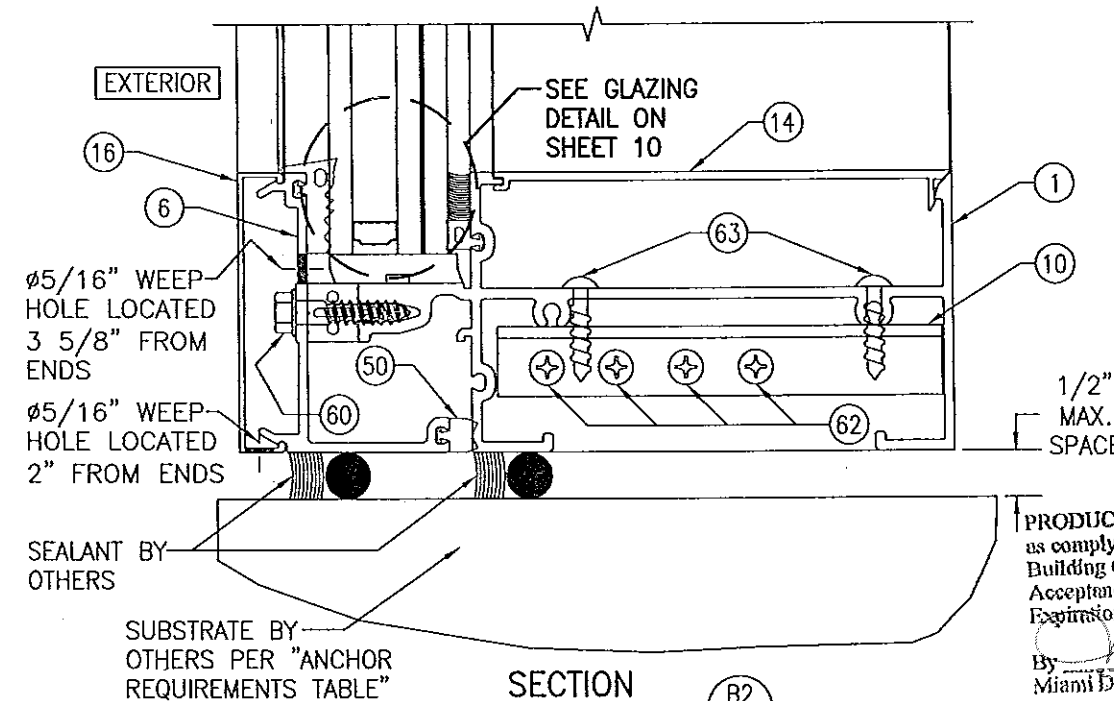
SECTION A1  
SCALE: 1/2 FULL



SECTION A2  
SCALE: 1/2 FULL



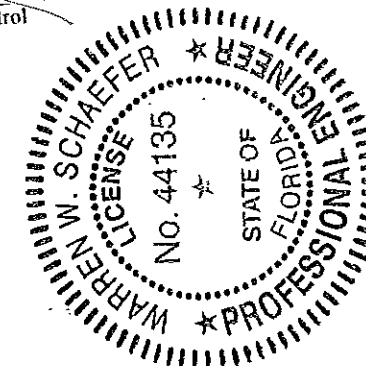
SECTION B1  
SCALE: 1/2 FULL



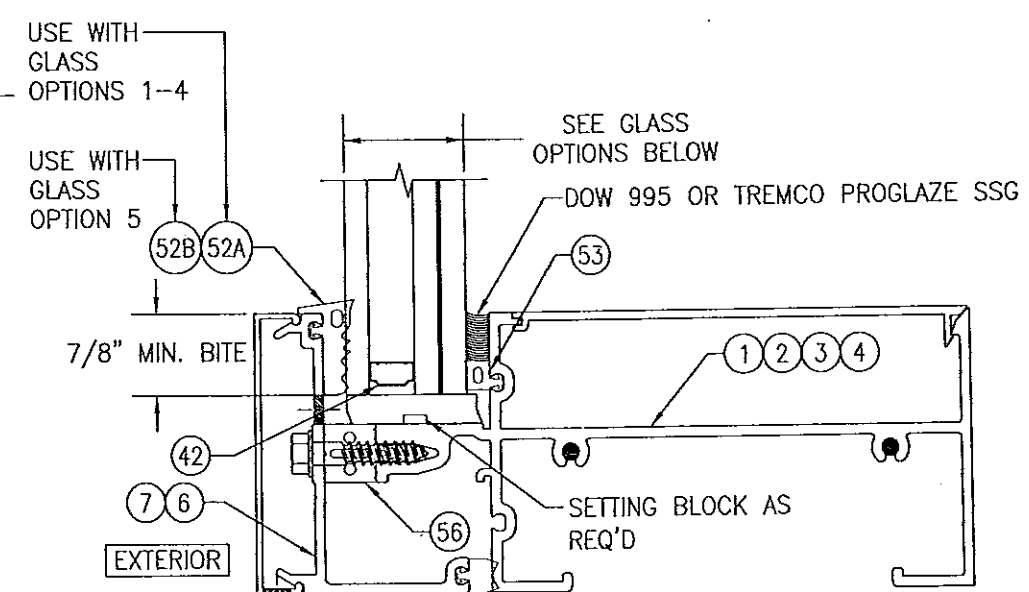
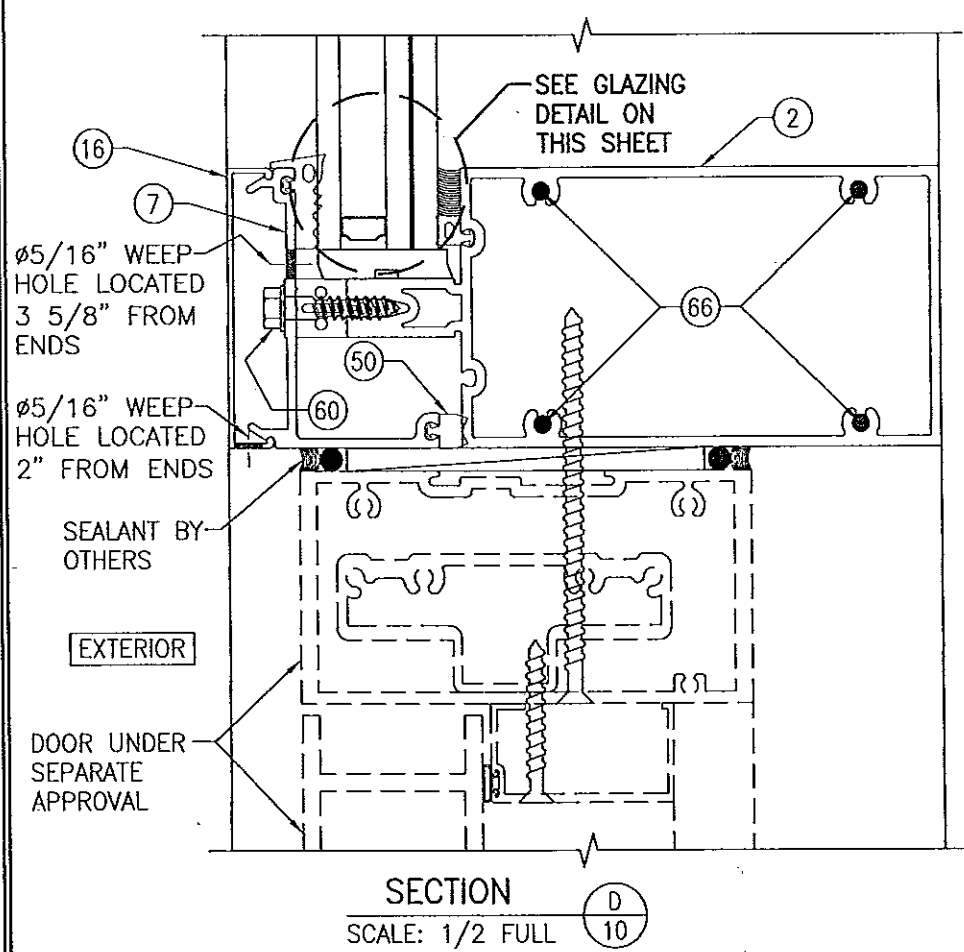
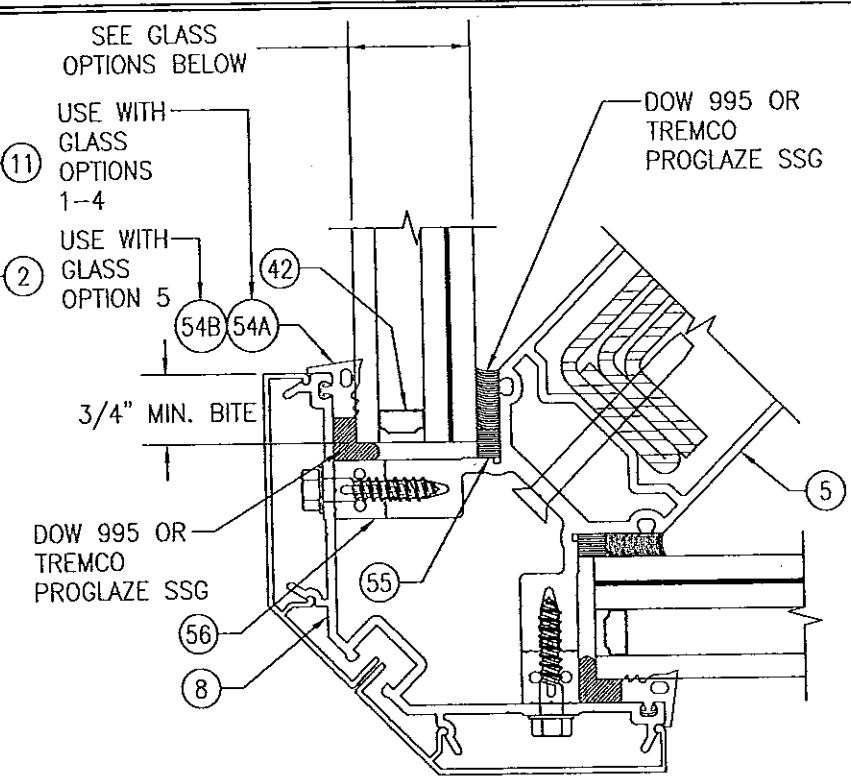
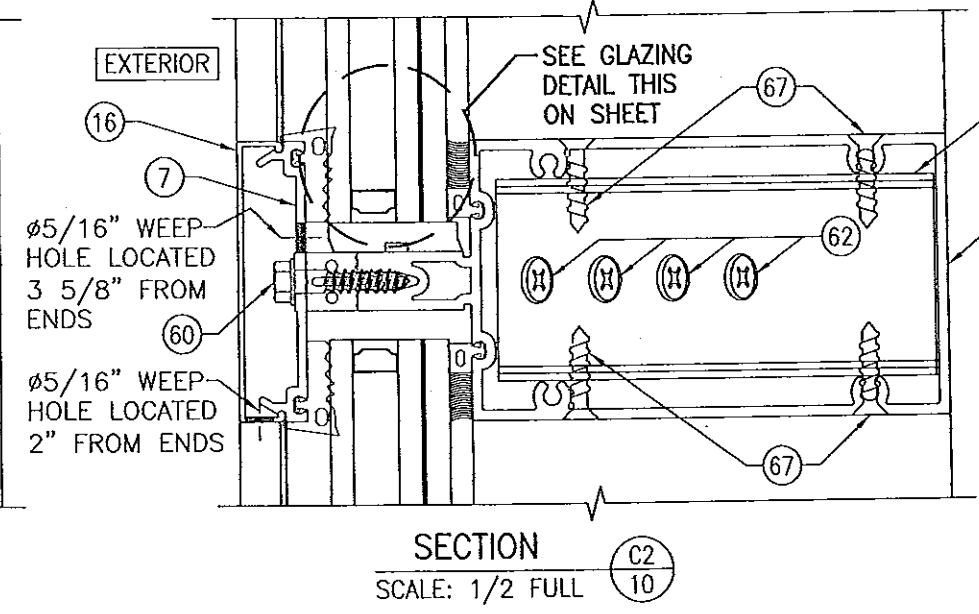
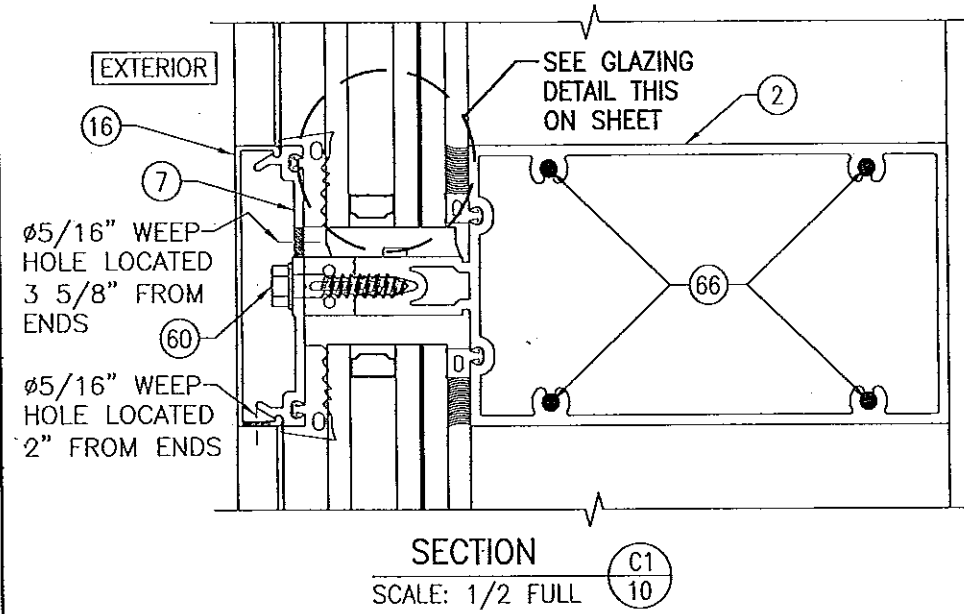
SECTION B2  
SCALE: 1/2 FULL

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Acceptance No. 14-0430.32  
Expiration Date 08/08/2018  
By *[Signature]*  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control  
By *[Signature]*



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/15/13	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS: W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION: APR 02 2013	DRAWING NO. 1846 SHEET NO. 9 OF 21		



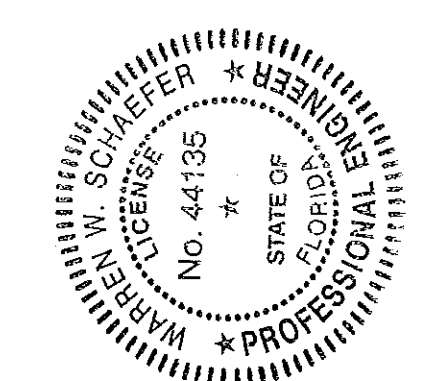
**TYPICAL GLAZING DETAIL: GLASS TO CORNER MEMBER**

**GLASS OPTIONS:**  
 OPTION 1: 1 5/16" THICK I.G LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.090" EASTMAN CHEMICAL CO. SAFLEX/1/4" HT. ST. INTERIOR)  
 OPTION 2: 1 5/16" THICK I.G LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.090" DUPONT PVB/1/4" HT. ST. INTERIOR)  
 OPTION 3: 1 5/16" THICK I.G LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.090" OR 0.120" DUPONT SG/1/4" HT. ST. INTERIOR)  
 OPTION 4: 1 5/16" THICK I.G LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.077" EASTMAN CHEMICAL CO. SAFLEX CP/1/4" HT. ST. INTERIOR)

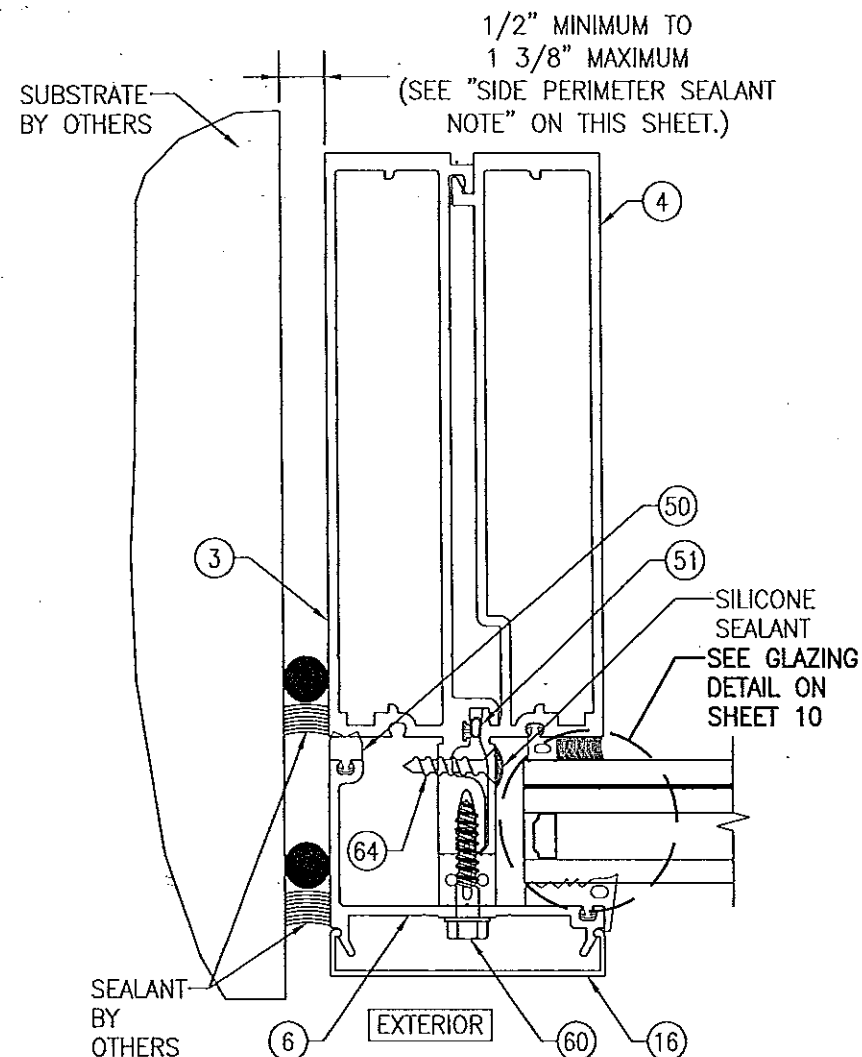
**GLASS OPTIONS:**  
 OPTION 1: 1 5/16" THICK I.G LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.090" EASTMAN CHEMICAL CO. SAFLEX/1/4" HT. ST. INTERIOR)  
 OPTION 2: 1 5/16" THICK I.G LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.090" DUPONT PVB/1/4" HT. ST. INTERIOR)  
 OPTION 3: 1 5/16" THICK I.G LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.090" OR 0.120" DUPONT SG/1/4" HT. ST. INTERIOR)  
 OPTION 4: 1 5/16" THICK I.G LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.077" EASTMAN CHEMICAL CO. SAFLEX CP/1/4" HT. ST. INTERIOR)

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. **14-0430.32**  
 Expiration Date **08/08/2018**  
 By *[Signature]*  
 Miami Dade Product Control

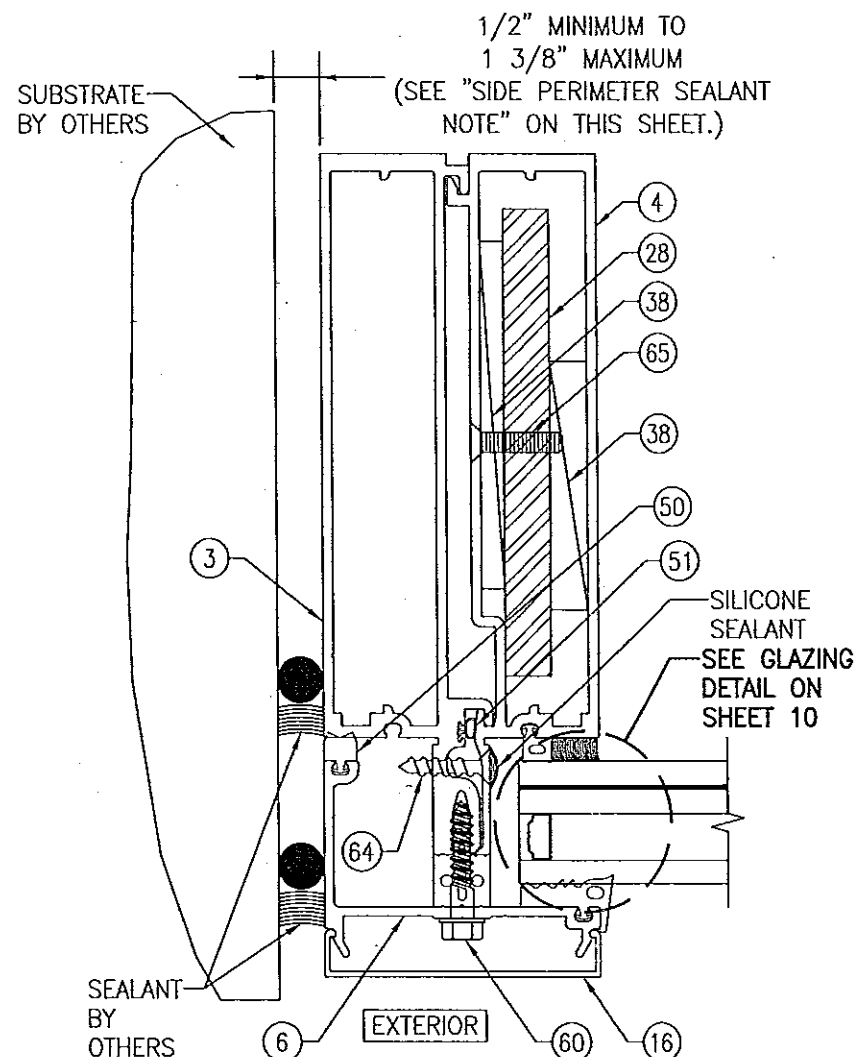
Approved as complying with the Florida Building Code  
 Date **08/08/2013**  
 NOAH **13-0522.11**  
 Miami Dade Product Control  
 By *[Signature]*



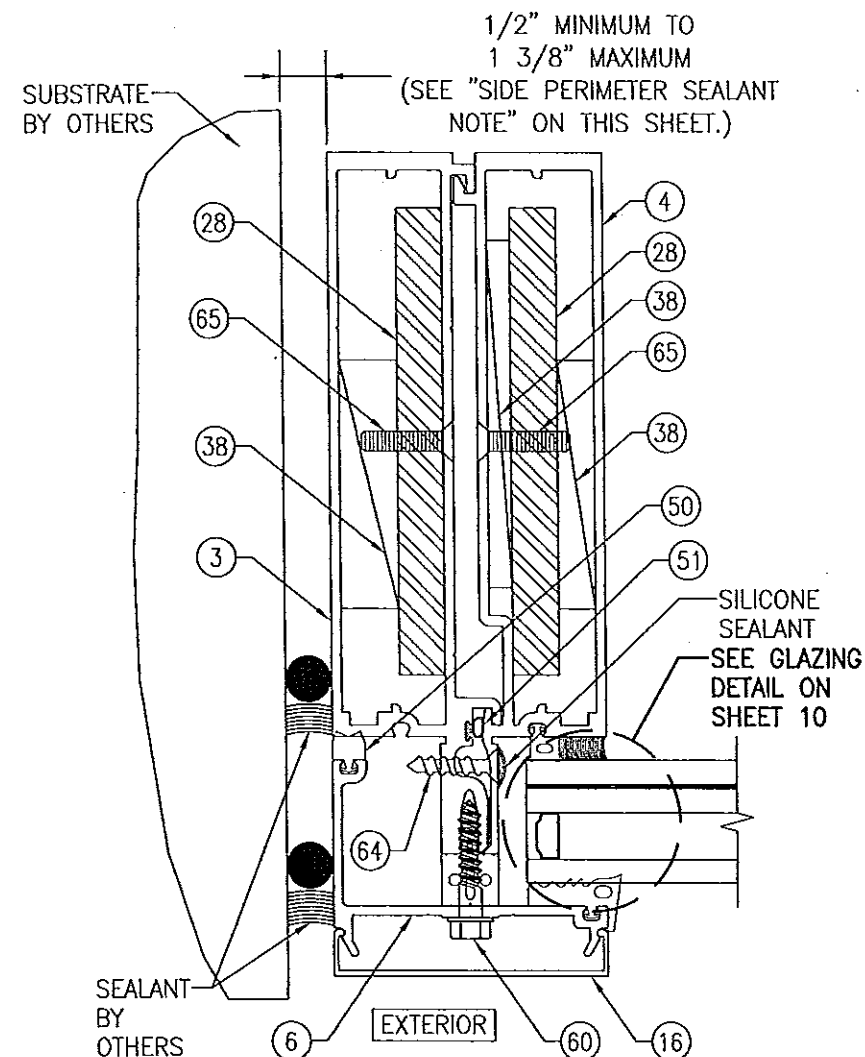
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 01/15/13	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION: APR 02 2013		DRAWING NO. 1846	
WARREN W. SCHAEFER, P.E. NO. 44135		SHEET NO. 10 OF 21	



SECTION E1  
SCALE: 1/2 FULL  
SIDE VERTICAL MEMBER WITH  
REINFORCEMENT "RO" (NO  
REINFORCEMENT)  
I = 35.410 IN<sup>4</sup>  
S = 8.423 IN<sup>3</sup>



SECTION E2  
SCALE: 1/2 FULL  
SIDE VERTICAL MEMBER WITH  
REINFORCEMENT "R1"  
I = 53.631 IN<sup>4</sup>  
S = 11.128 IN<sup>3</sup>  
(TRANSFORMED SECTION PROPERTIES IN  
TERMS OF ALUMINUM)  
(REINFORCEMENT MAY BE AT EITHER HALF OF  
VERTICAL MEMBER)



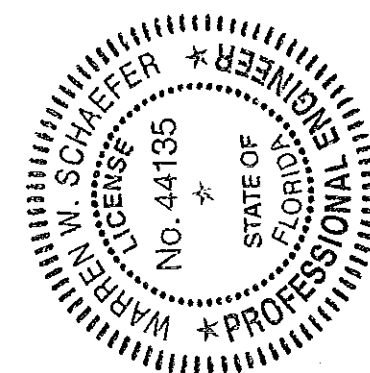
SECTION E3  
SCALE: 1/2 FULL  
SIDE VERTICAL MEMBER WITH  
REINFORCEMENT "R2"  
I = 64.014 IN<sup>4</sup>  
S = 12.960 IN<sup>3</sup>  
(TRANSFORMED SECTION PROPERTIES IN  
TERMS OF ALUMINUM)

**SIDE PERIMETER SEALANT NOTE:**

THE MINIMUM & MAXIMUM ALLOWABLE SPACE BETWEEN SIDE FRAME MEMBERS & THE OPENING SUBSTRATE OR FINISHES SHALL BE SPECIFIED BY THE ENGINEER OR ARCHITECT OF RECORD FOR EACH JOB BUT SHALL NOT BE LESS THAN 1/2" NOR GREATER THAN 1 3/8". WHEN CONSIDERING TYPE, DEPTH & JOINT SPAN OF SEALANT, THE ENGINEER/ARCHITECT SHALL TAKE INTO CONSIDERATION THE DEFLECTION OF THE JAMB MEMBER THAT WOULD OCCUR WHILE SUPPORTING THE JOB REQUIRED DESIGN WIND PRESSURE. ALSO TO BE CONSIDERED SHALL BE THE MATERIALS & SURFACES TO WHICH THE SEALANT WILL BE APPLIED.

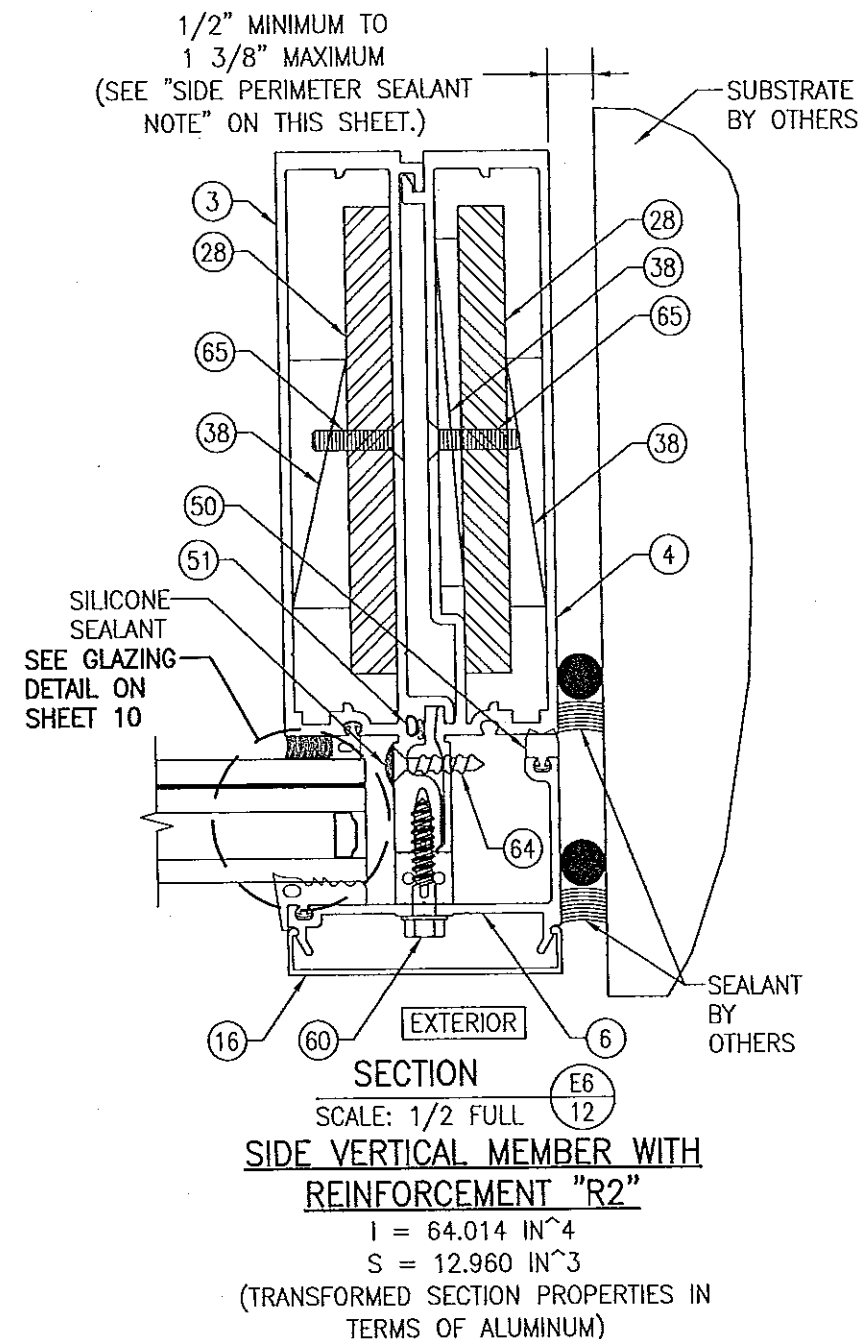
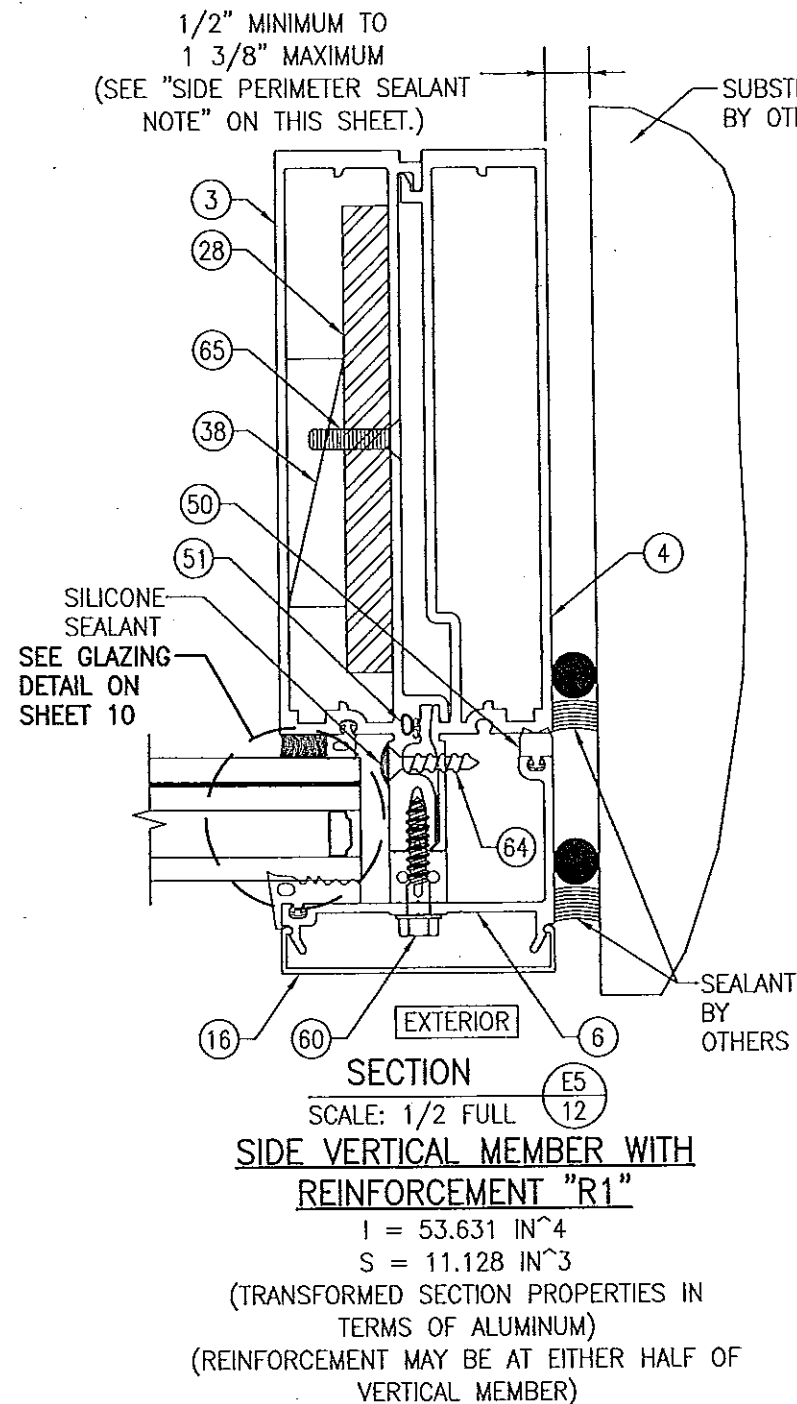
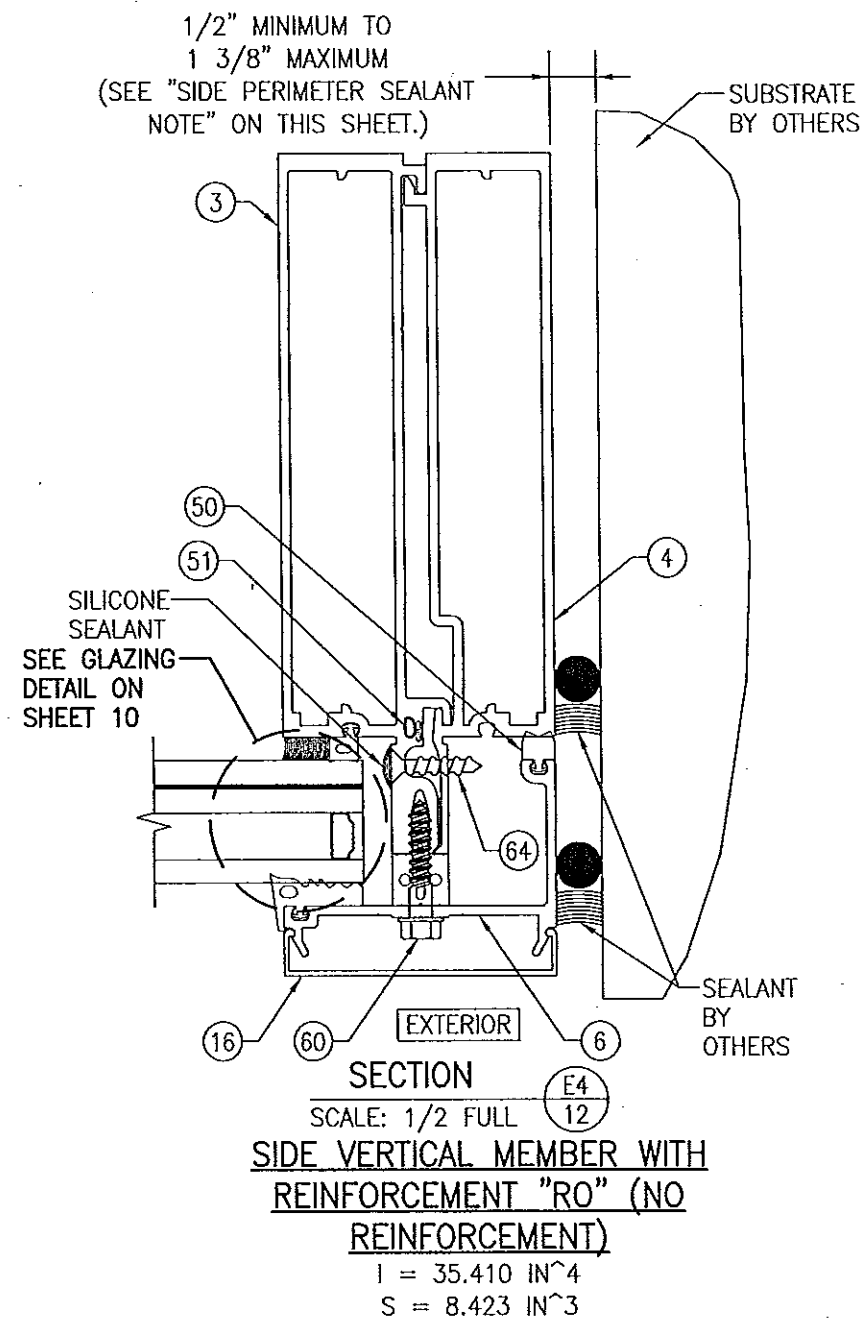
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0430.32  
Expiration Date 08/08/2018  
By *Warren W. Schaefer*  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control  
By *Warren W. Schaefer*



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/15/13	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION: APR 02 2013		REV. 1846	
SHEET NO. 11		OF 21	



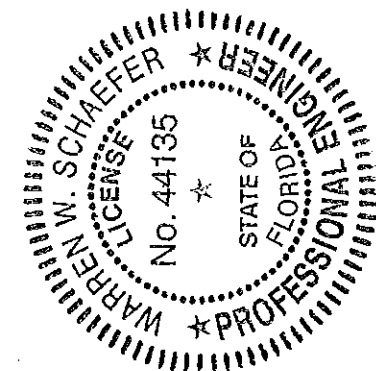


**SIDE PERIMETER SEALANT NOTE:**

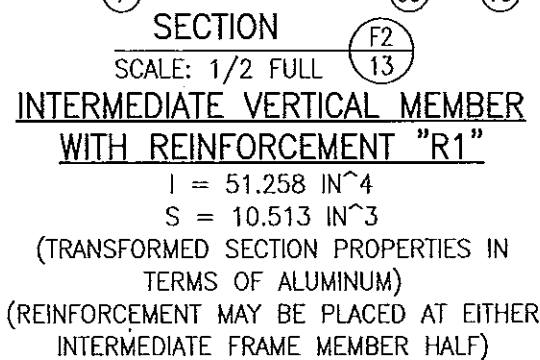
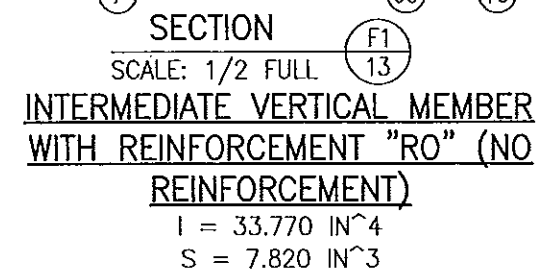
THE MINIMUM & MAXIMUM ALLOWABLE SPACE BETWEEN SIDE FRAME MEMBERS & THE OPENING SUBSTRATE OR FINISHES SHALL BE SPECIFIED BY THE ENGINEER OR ARCHITECT OF RECORD FOR EACH JOB BUT SHALL NOT BE LESS THAN 1/2" NOR GREATER THAN 1 3/8". WHEN CONSIDERING TYPE, DEPTH & JOINT SPAN OF SEALANT, THE ENGINEER/ARCHITECT SHALL TAKE INTO CONSIDERATION THE DEFLECTION OF THE JAMB MEMBER THAT WOULD OCCUR WHILE SUPPORTING THE JOB REQUIRED DESIGN WIND PRESSURE. ALSO TO BE CONSIDERED SHALL BE THE MATERIALS & SURFACES TO WHICH THE SEALANT WILL BE APPLIED.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0430.32  
Expiration Date 08/08/2018  
By *[Signature]*  
Miami Dade Product Control

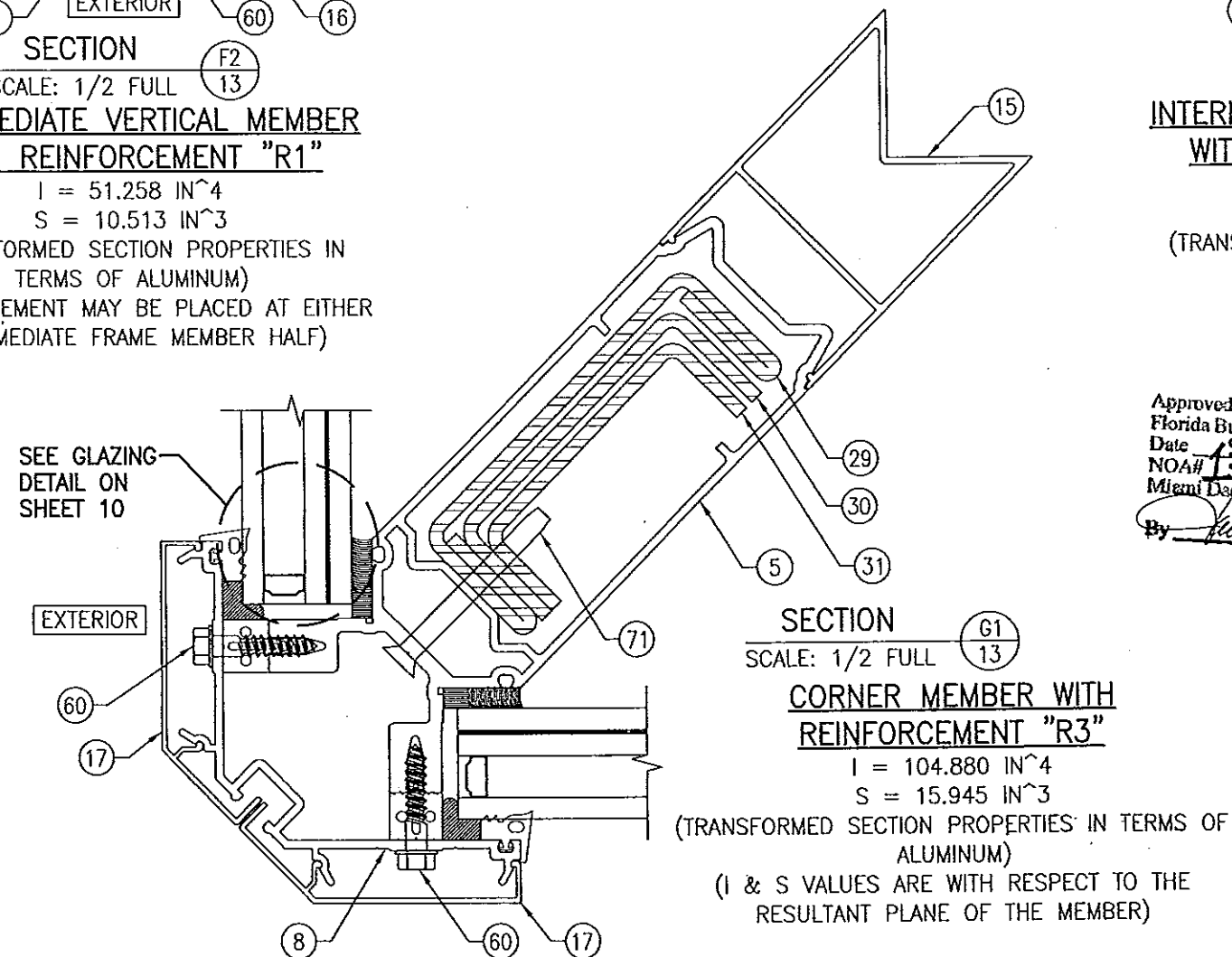
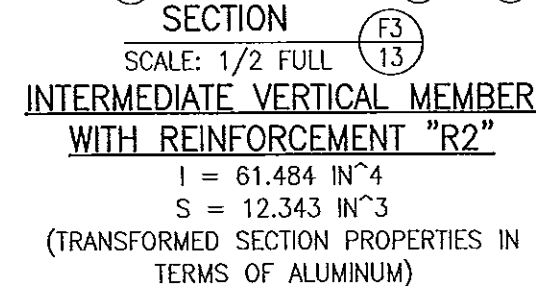
Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control  
By *[Signature]*



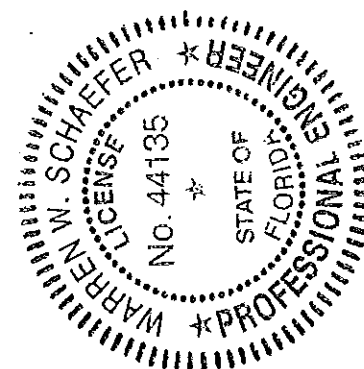
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/15/13	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
CERTIFICATION APR 02 2013	DRAWING NO. 1846	REV.	
SHEET NO. 12 OF 21			




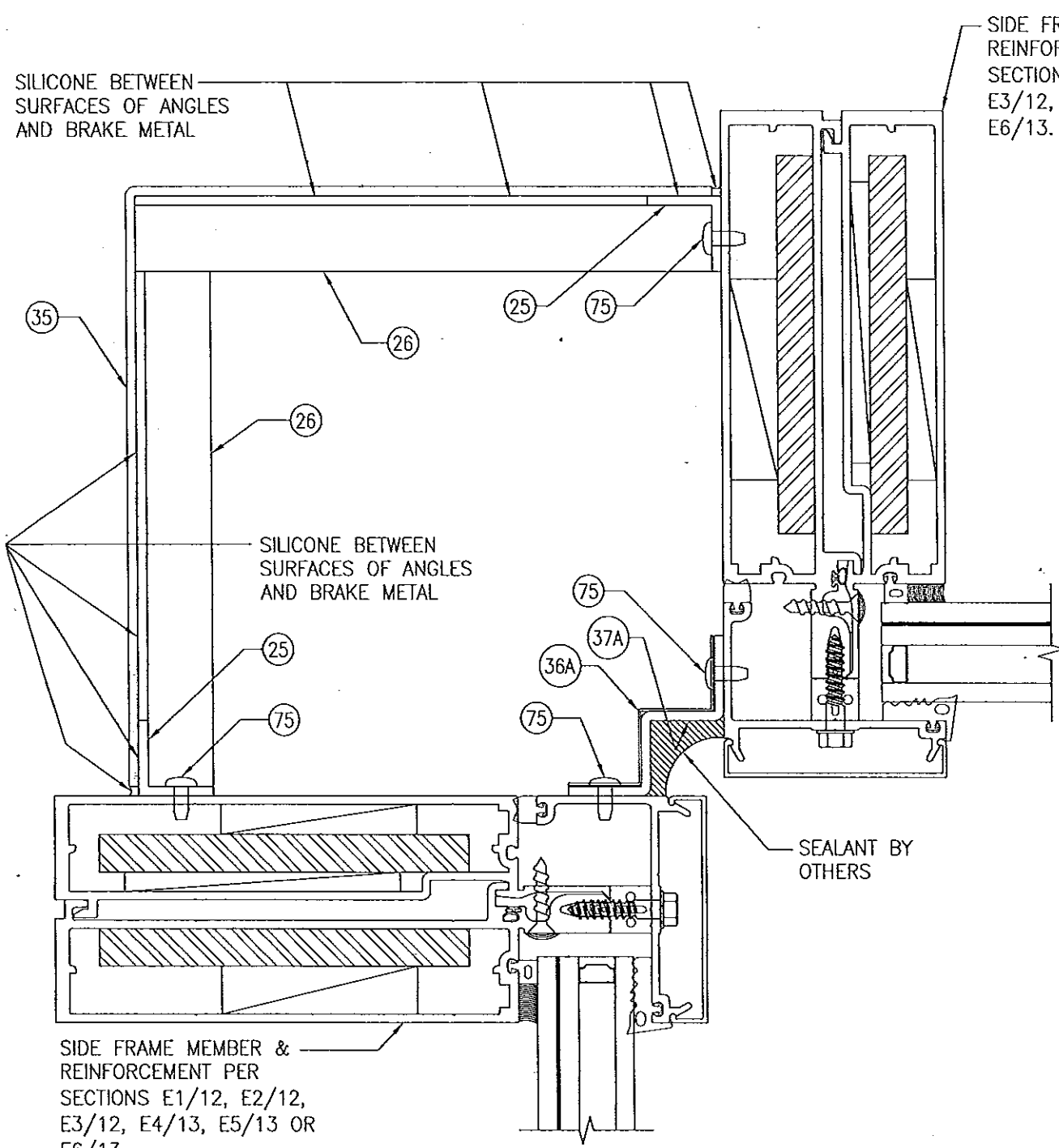
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0  
Expiration Date 28/08  
By [Signature]  
Miami Dade Product Control



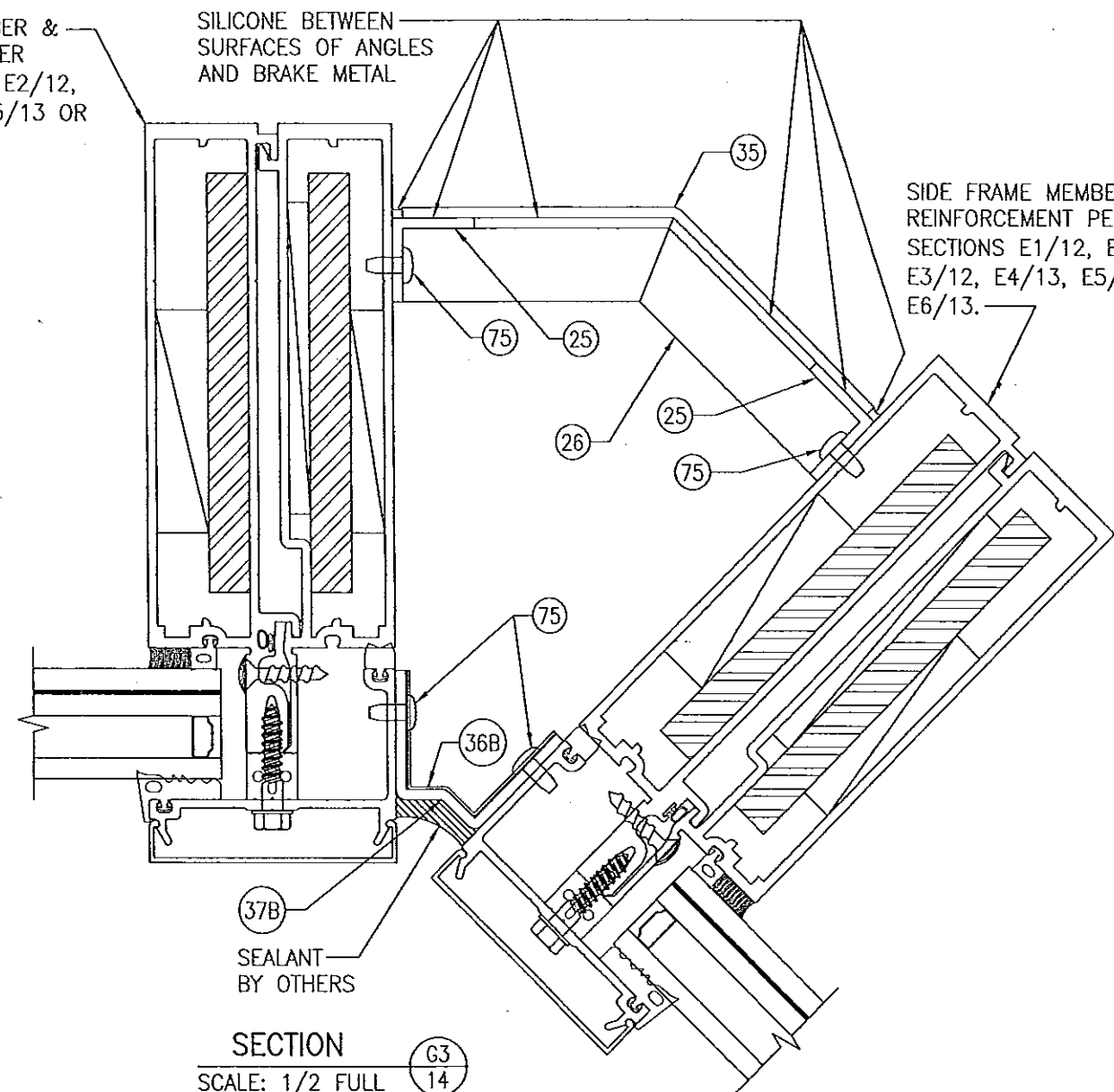
Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control



DRAWING NO. <b>1846</b>	SHEET NO. <b>13</b> OF <b>21</b>	CERTIFICATION <b>APR 02 2013</b>  WABGEN W. SCHAEFFER P.E.	DRAWING TITLE <b>8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL</b>	CONSULTANTS <b>W. W. SCHAEFFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418	MANUFACTURER <b>KAWNEER COMPANY, INC.</b> 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	NO. REVISION DESCRIPTION BY DATE	DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
							PLOT: 1=2	DATE: 01/15/13



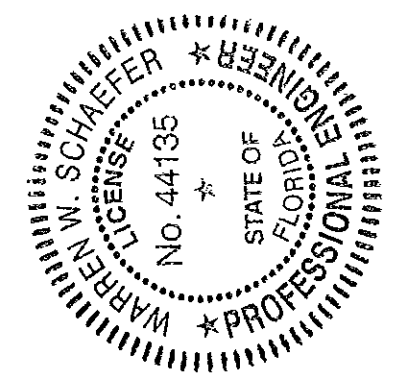
SECTION G2  
14  
SCALE: 1/2 FULL  
**90 DEG. INTERIOR CORNER MEMBER WITH  
REINFORCEMENT "R0", "R1" OR "R3"**



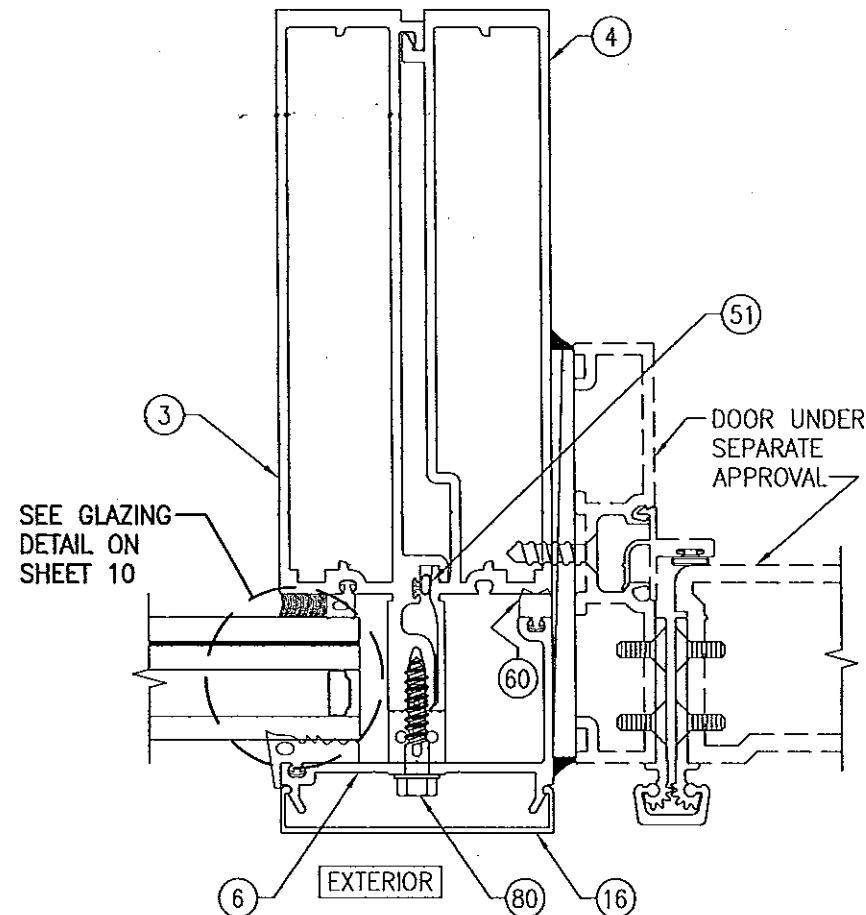
SECTION G3  
14  
SCALE: 1/2 FULL  
**135 DEG. INTERIOR CORNER MEMBER WITH  
REINFORCEMENT "R0", "R1" OR "R3"**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **14-0430.32**  
Expiration Date **08/08/2018**  
By *[Signature]*  
Miami Dade Product Control

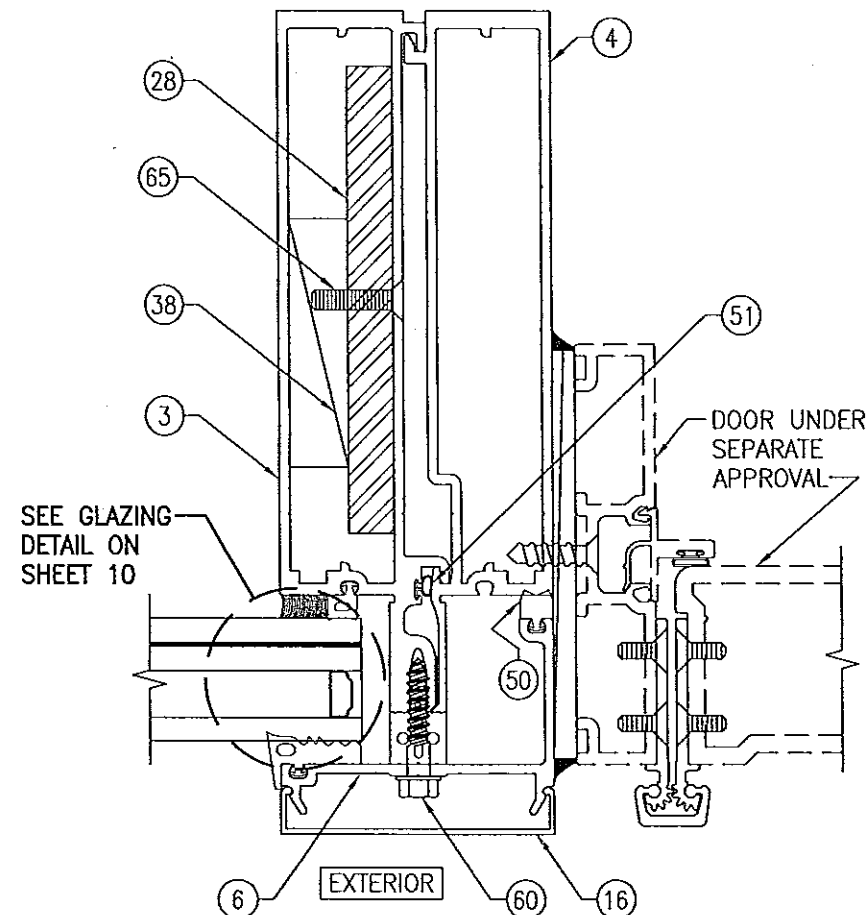
Approved as complying with the  
Florida Building Code  
Date **08/08/2013**  
NOA# **13-0522.11**  
Miami Dade Product Control  
By *[Signature]*



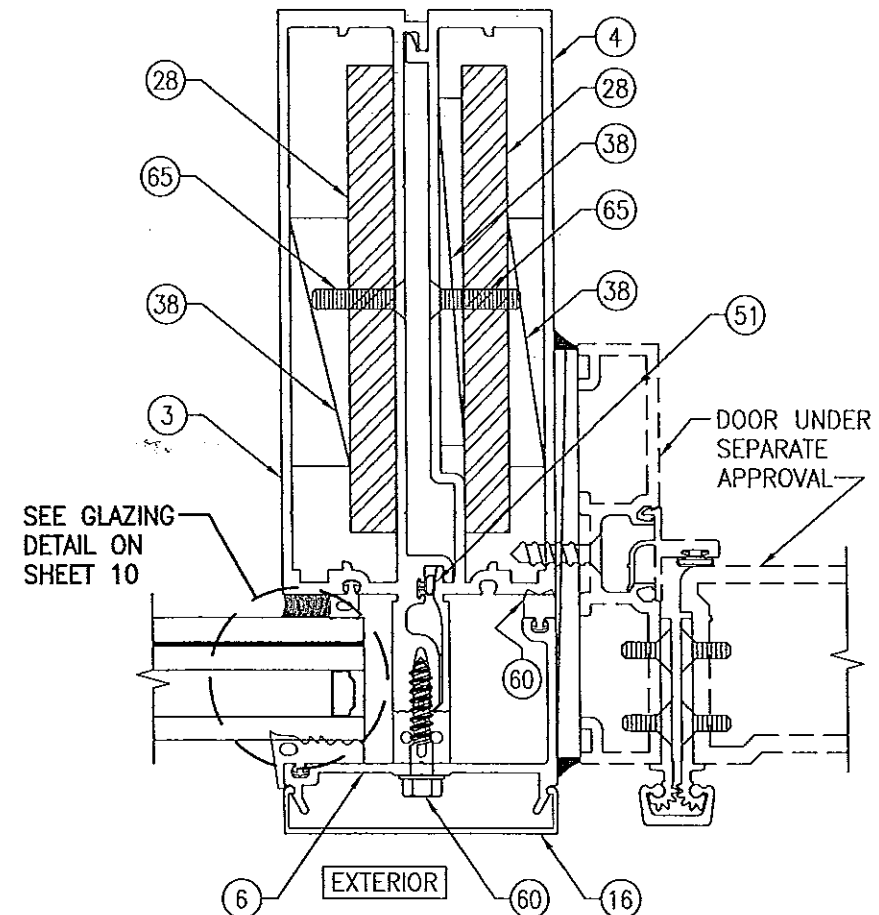
DRAWING TITLE 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL		DRAWN BY: W.R.U.		CHECKED BY: W.W.S.	
		PLOT: 1=2		DATE: 01/15/13	
NO.	REVISION DESCRIPTION	BY	DATE		
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555			
CERTIFICATION APR 02 2013					
WARREN W. SCHAEFER, P.E. P/E. NO. 44135					
DRAWING NO. 1846		REV.			
SHEET NO. 14 OF 21					



SECTION H1  
SCALE: 1/2 FULL 15  
INTERMEDIATE VERTICAL MEMBER  
WITH DOOR & REINFORCEMENT "R0"  
(NO REINFORCEMENT)  
 $I = 33.770 \text{ IN}^4$   
 $S = 7.820 \text{ IN}^3$



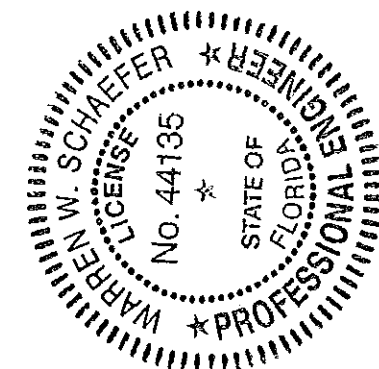
SECTION H2  
SCALE: 1/2 FULL 15  
INTERMEDIATE VERTICAL MEMBER  
WITH DOOR & REINFORCEMENT "R1"  
 $I = 51.258 \text{ IN}^4$   
 $S = 10.513 \text{ IN}^3$   
(TRANSFORMED SECTION PROPERTIES IN TERMS  
OF ALUMINUM)  
(REINFORCEMENT MAY BE PLACED AT EITHER  
INTERMEDIATE FRAME MEMBER HALF)



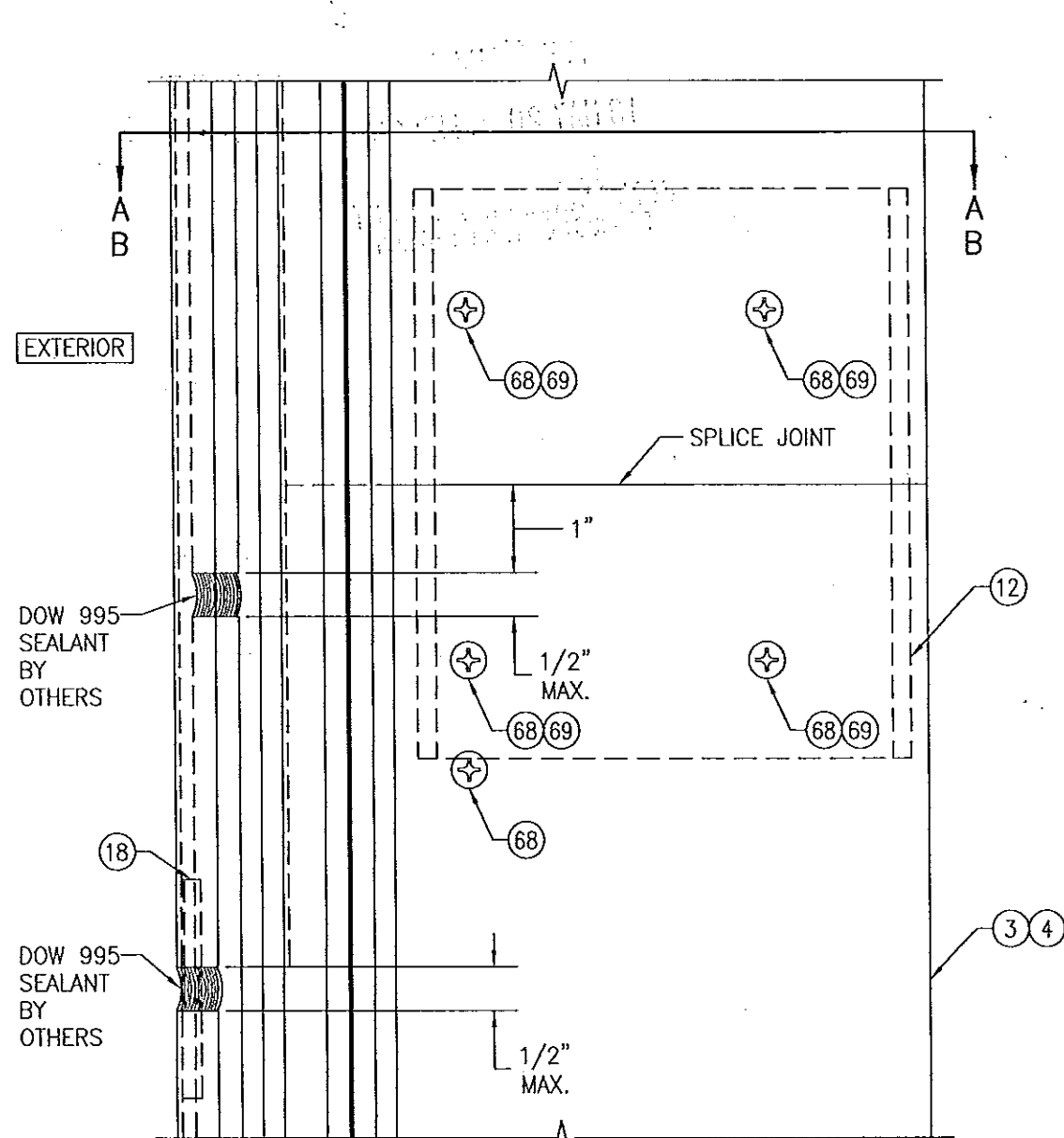
SECTION H3  
SCALE: 1/2 FULL 15  
INTERMEDIATE VERTICAL MEMBER WITH  
DOOR & REINFORCEMENT "R2"  
 $I = 61.484 \text{ IN}^4$   
 $S = 12.343 \text{ IN}^3$   
(TRANSFORMED SECTION PROPERTIES IN TERMS  
OF ALUMINUM)

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0430.32  
Expiration Date 08/08/2018  
By *Warren W. Schaefer*  
Miami Dade Product Control

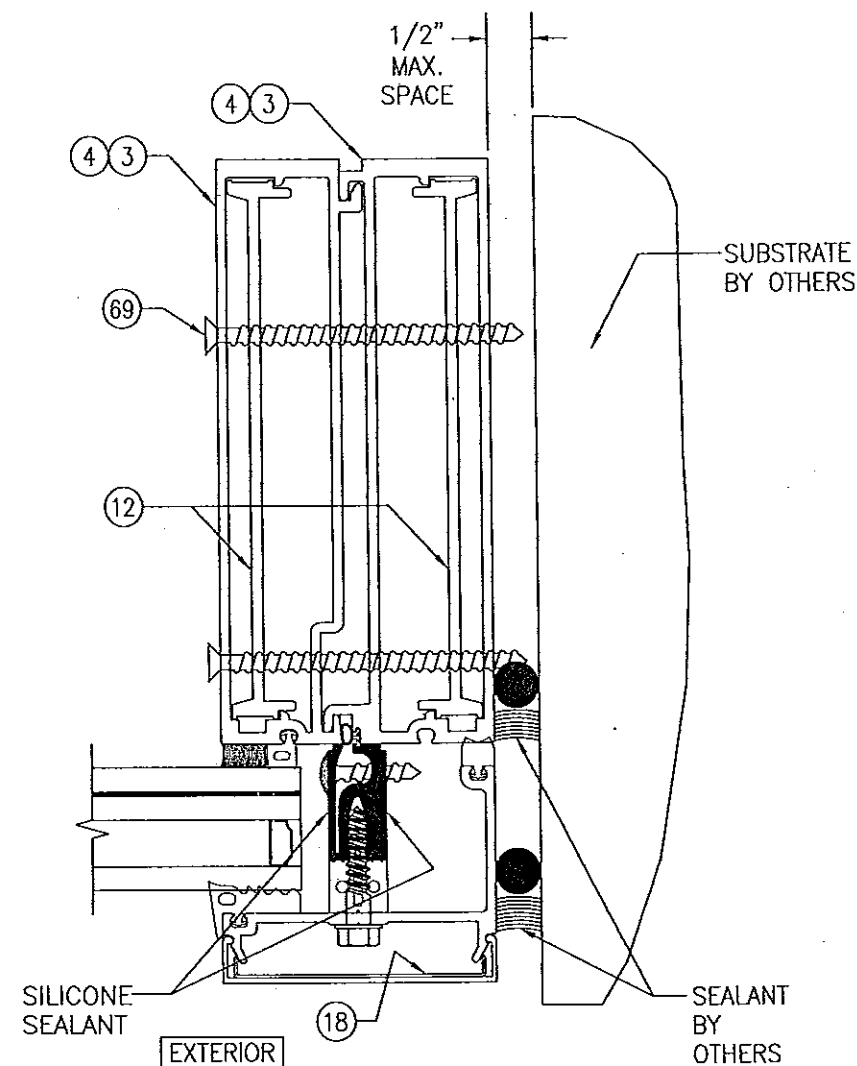
Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control  
By *Warren W. Schaefer*



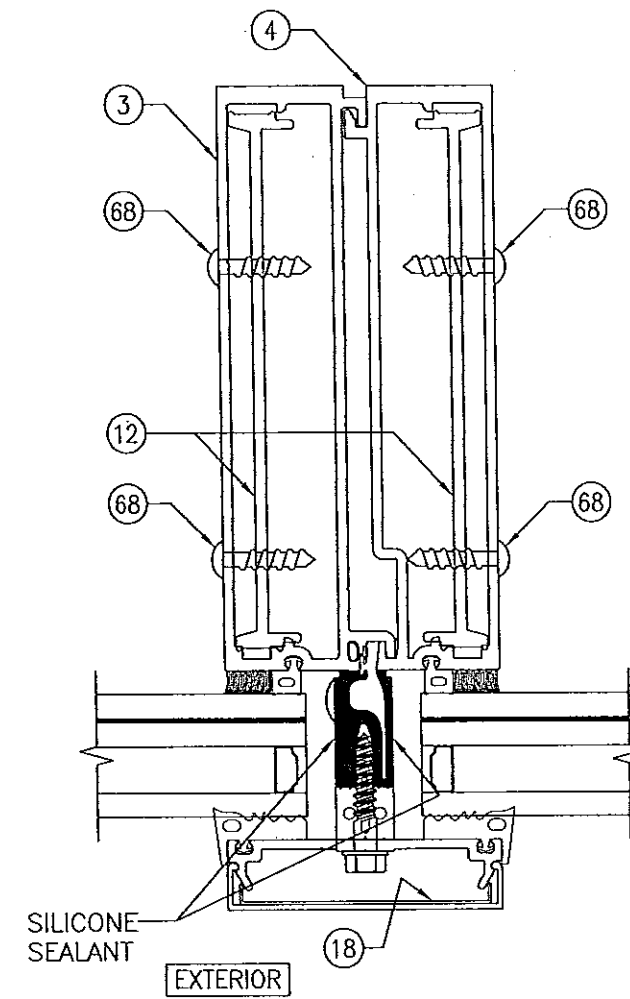
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 01/15/13	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 CERTIFICATION: APR 02 2013 WARREN W. SCHAEFER, P.E. P.E. NO. 44135 DRAWING NO. 1846 SHEET NO. 15 OF 21			



**SPlice JOINT DETAIL**  
(SIDE & INTERMEDIATE VERTICAL FRAME MEMBER)



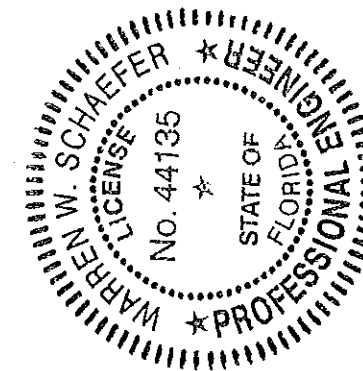
**SECTION A-A**  
(SIDE MEMBER)  
(FOR DETAIL NOT SHOWN, SEE SECTION E1/11)



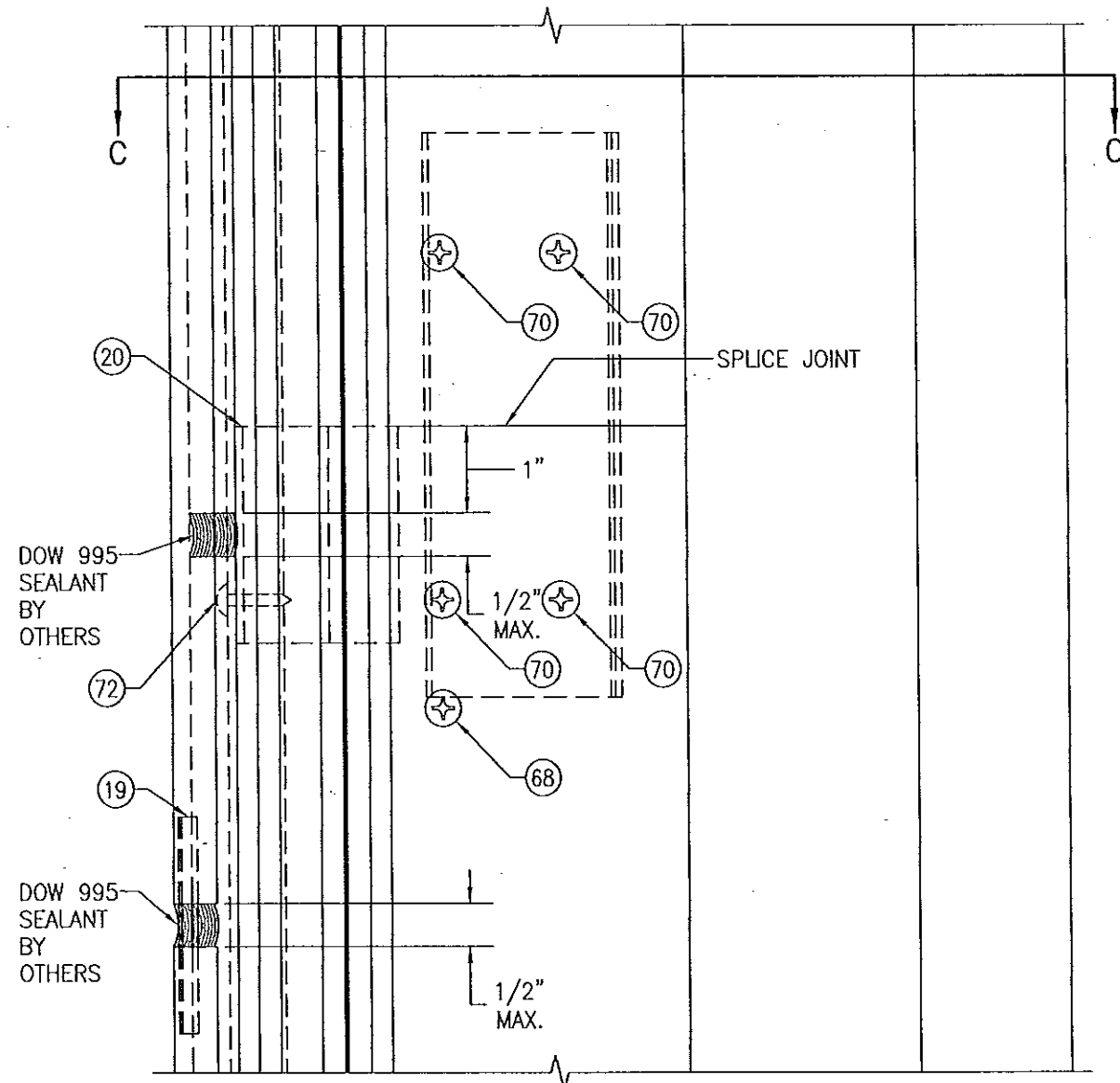
**SECTION B-B**  
(INTERMEDIATE MEMBER)  
(FOR DETAIL NOT SHOWN, SEE SECTION F1/13)

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0430.32  
Expiration Date 08/08/2018  
By *[Signature]*  
Miami Dade Product Control

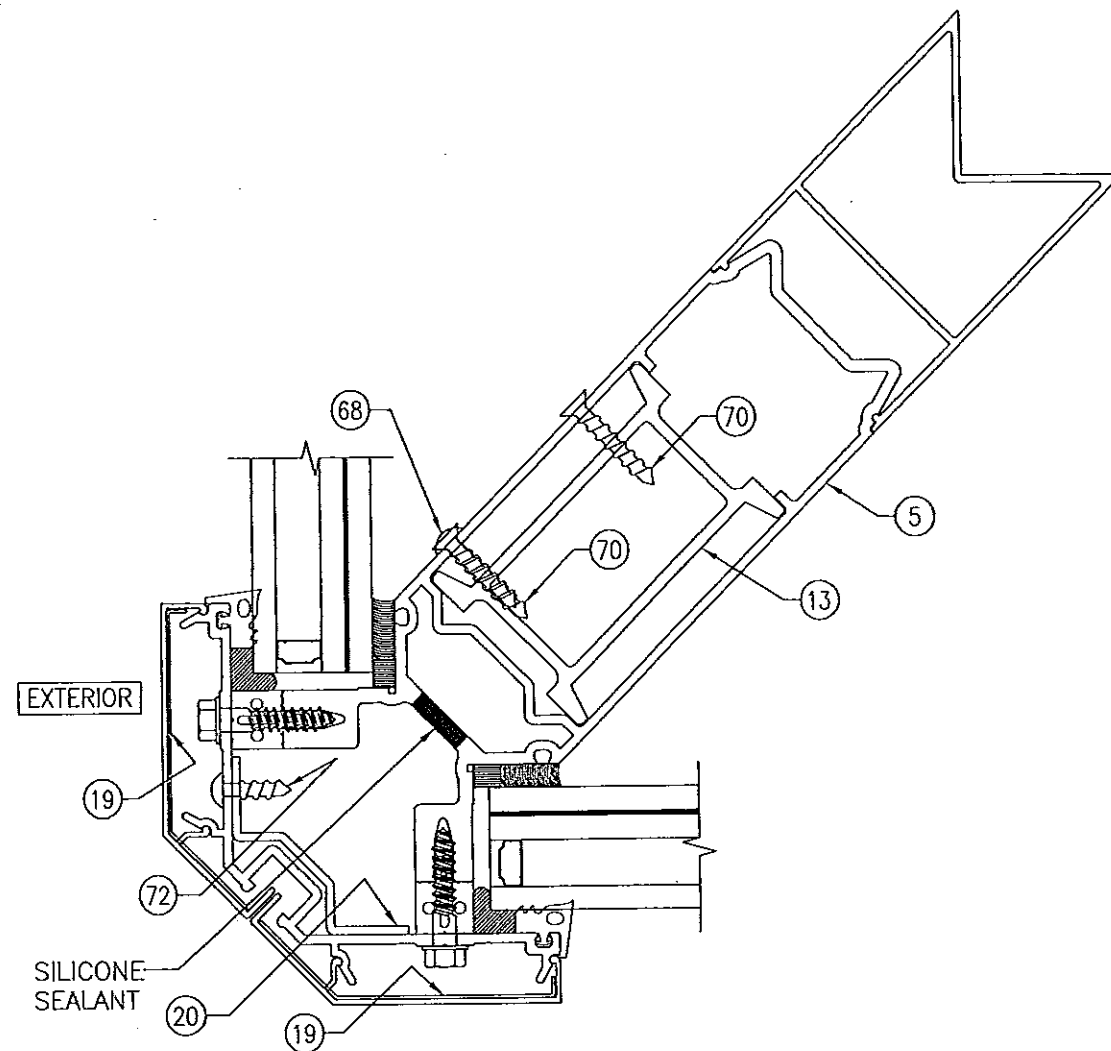
Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control  
By *[Signature]*



DRAWING TITLE	DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
	PLOT: 1=2		DATE: 01/15/13	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418	NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE	8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
	MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555			
CERTIFICATION APR 02 2013	DRAWING NO. 1846			
	SHEET NO. 16 OF 21			
WARREN W. SCHAEFER, P.E.				



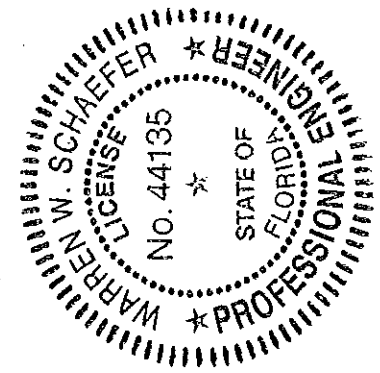
**SPlice JOINT DETAIL**  
(CORNER MEMBER)



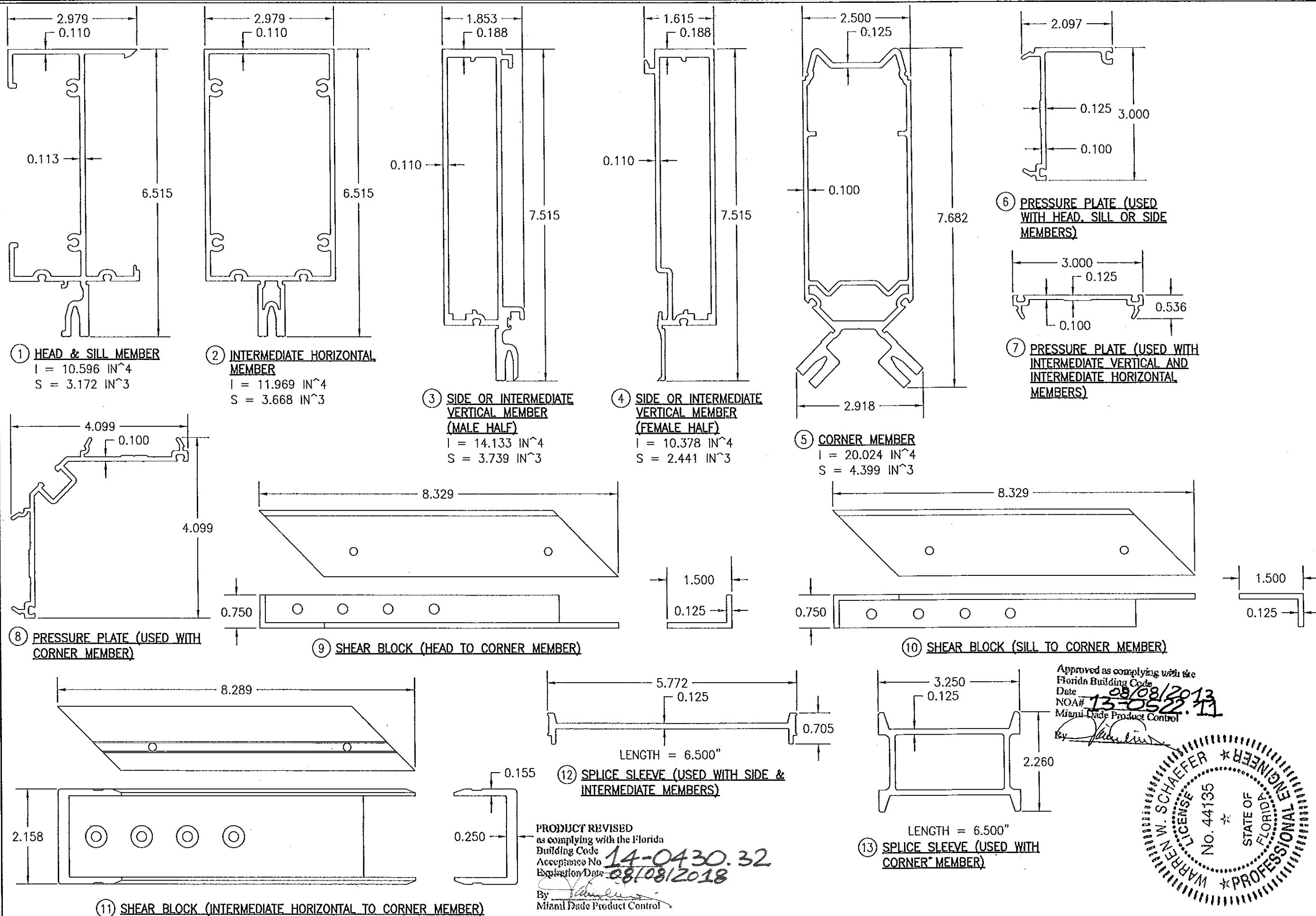
**SECTION C-C**  
(FOR DETAIL NOT SHOWN, SEE SECTION G1/13)

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **14-0430.32**  
Expiration Date **08/08/2018**  
By *[Signature]*  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date **08/08/2013**  
NOA# **13-0522.11**  
Miami Dade Product Control  
By *[Signature]*

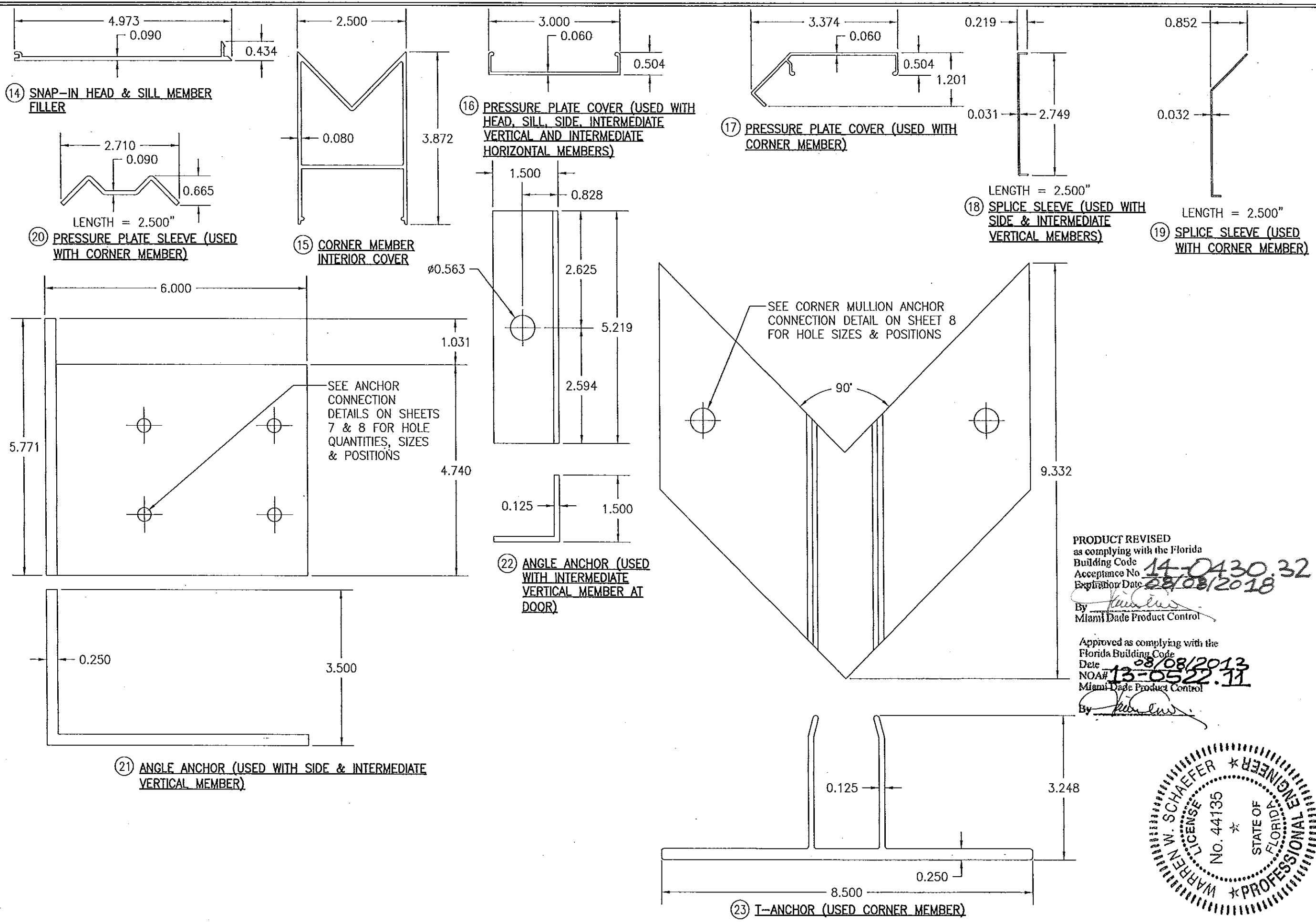


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/15/13	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: <b>8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER <b>KAWNEER COMPANY, INC.</b> 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION <b>APR 02 2013</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. <b>1846</b>	REV.		
SHEET NO. <b>17 OF 21</b>			

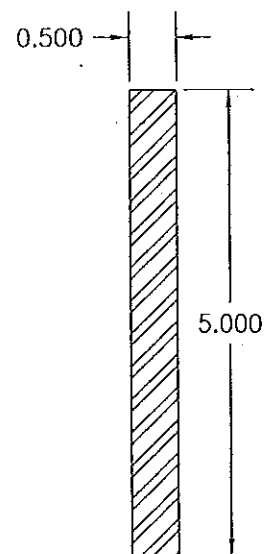


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/15/13	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION APR 02 2013 APR 02 2013 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1846		REV. 	
SHEET NO. 18		OF 21	

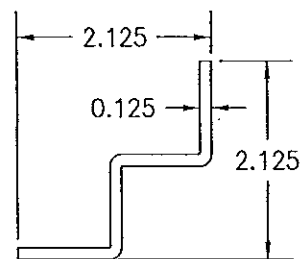




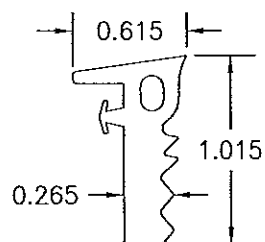
DRAWN BY: W.R.M.	CHECKED BY: W.N.S.
PLOT: 1=2	DATE: 01/15/13
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION APR 02 2013	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1846	REV.
SHEET NO. 19	OF 21



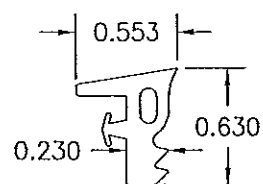
28) VERTICAL SIDE & INTERMEDIATE MEMBER REINFORCEMENT  
I = 5.208 IN<sup>4</sup>  
S = 2.083 IN<sup>3</sup>



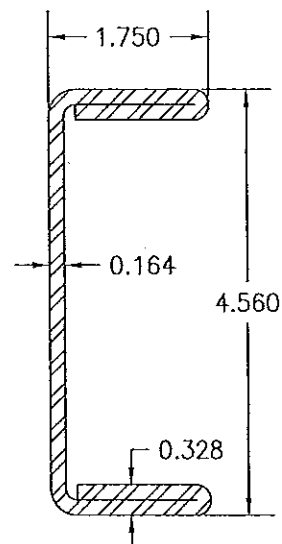
37A) SPLICE (USED WITH FLASHED 90° CORNERS)



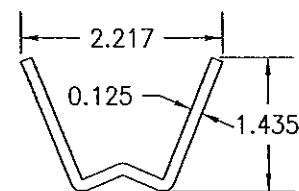
52A) EXTERIOR GLAZING GASKET (USED WITH STANDARD MEMBERS & GLASS OPTIONS 1-4)



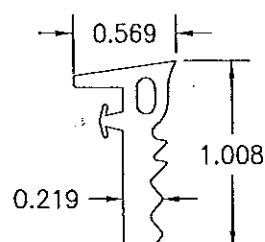
54B) EXTERIOR GLAZING GASKET (USED WITH CORNER MEMBER & GLASS OPTION 5)



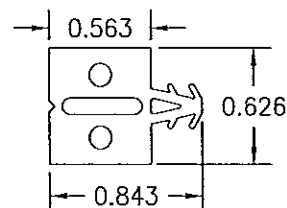
29) CORNER MEMBER REINFORCEMENT  
I = 5.543 IN<sup>4</sup>  
S = 2.431 IN<sup>3</sup>



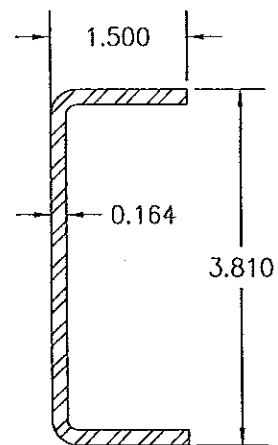
37B) SPLICE (USED WITH FLASHED 135° CORNERS)



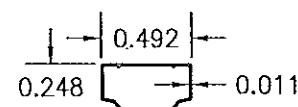
52B) EXTERIOR GLAZING GASKET (USED WITH STANDARD MEMBERS & GLASS OPTION 5)



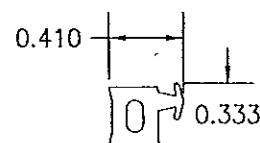
56) THERMAL SEPARATOR



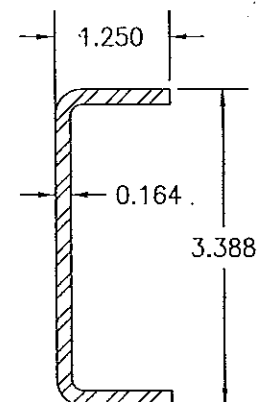
30) CORNER MEMBER REINFORCEMENT  
I = 2.111 IN<sup>4</sup>  
S = 1.108 IN<sup>3</sup>



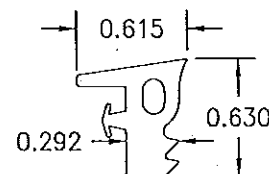
42) 1/2" I.G. GLASS SPACER



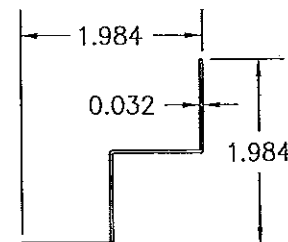
53) INTERIOR GLAZING GASKET (USED WITH STANDARD MEMBERS)



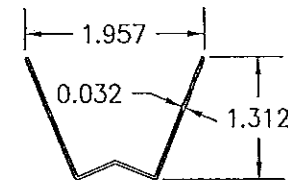
31) CORNER MEMBER REINFORCEMENT  
I = 1.378 IN<sup>4</sup>  
S = 0.813 IN<sup>3</sup>



54A) EXTERIOR GLAZING GASKET (USED WITH CORNER MEMBER & GLASS OPTIONS 1-4)



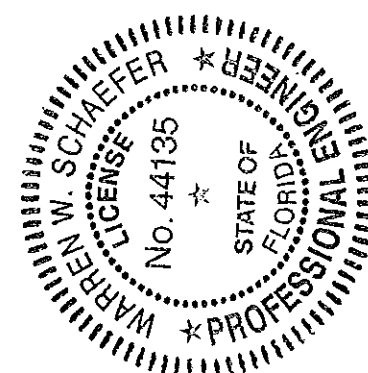
36A) SPLICE COVER (USED WITH FLASHED 90° CORNERS)



36B) SPLICE COVER (USED WITH FLASHED 135° CORNERS)

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0430.32  
Expiration Date 08/08/2018  
By *[Signature]*  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0522.11  
Miami Dade Product Control  
By *[Signature]*



DRAWING BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/15/13	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION APR 02 2013 <i>[Signature]</i> WARREN W. SCHAEFER P.E. P.E. NO. 44135		DRAWING NO. 1846 REV. SHEET NO. 20 OF 21	

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES	SEALS & SEALANTS		DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PARTS					DATE	DATE
1	HEAD & SILL MEMBER	6063-T6 ALUMINUM	50	FIXED GASKET	TREMCO TR-4726P EPDM DUROMETER 65 +/-5	
2	INTERMEDIATE HORIZONTAL MEMBER	6063-T6 ALUMINUM	51	FRAMING GASKET	INTEK 50172A SANTOPRENE DUROMETER 65 POLYPROPYLENE DUROMETER 80	
3	SIDE OR INTERMEDIATE VERTICAL MEMBER (MALE HALF)	6063-T6 ALUMINUM	52A	EXTERIOR GLAZING GASKET (USED WITH STANDARD MEMBERS & GLASS OPTIONS 1-4)	TREMCO TR-20494P EPDM DUROMETER 60 +/-5	
4	SIDE OR INTERMEDIATE VERTICAL MEMBER (FEMALE HALF)	6063-T6 ALUMINUM	52B	EXTERIOR GLAZING GASKET (USED WITH STANDARD MEMBERS & GLASS OPTION 5)	TREMCO TR-20504P EPDM DUROMETER 60 +/-5	
5	CORNER MEMBER	6063-T6 ALUMINUM	53	INTERIOR GLAZING GASKET (USED WITH STANDARD MEMBERS)	TREMCO TR-2983W EPDM DUROMETER 60 +/-5	
6	PRESSURE PLATE (USED WITH HEAD, SILL OR SIDE MEMBERS)	6063-T6 ALUMINUM	54A	EXTERIOR GLAZING GASKET (USED WITH CORNER MEMBER & GLASS OPTIONS 1-4)	TREMCO TR-4014P EPDM DUROMETER 60 +/-5	
7	PRESSURE PLATE (USED WITH INTERMEDIATE VERTICAL AND INTERMEDIATE HORIZONTAL MEMBERS)	6063-T6 ALUMINUM	54B	EXTERIOR GLAZING GASKET (USED WITH CORNER MEMBER & GLASS OPTION 5)	TREMCO TR-4860W EPDM DUROMETER 60 +/-5	
8	PRESSURE PLATE (USED WITH CORNER MEMBER)	6063-T6 ALUMINUM	55	5/16" X 7/16" GLAZING TAPE	POLYURETHANE FOAM	
9	SHEAR BLOCK (HEAD TO CORNER MEMBER)	6063-T6 ALUMINUM	56	THERMAL SEPARATOR	TREMCO TR-20087E EPDM DUROMETER 70 +/-5	
10	SHEAR BLOCK (SILL TO CORNER MEMBER)	6063-T6 ALUMINUM	57	STEEL TO ALUMINUM SEPERATOR	THERMO-TOK TN-9004	
11	SHEAR BLOCK (INTERMEDIATE HORIZONTAL TO CORNER MEMBER)	6063-T6 ALUMINUM	FASTENERS			
12	SPLICE SLEEVE (USED WITH SIDE & INTERMEDIATE MEMBERS)	6063-T6 ALUMINUM	60	1/4" X 1 1/4" HWHTFS 300 SERIES S.S.	WITHIN 3" FROM ENDS & 9" MAX. O.C.	
13	SPLICE SLEEVE (USED WITH CORNER MEMBER)	6063-T6 ALUMINUM	61	NO. 12 X 1" HWHTFS 300 SERIES S.S.	2 PER FRAME END	
14	SNAP-IN HEAD & SILL MEMBER FILLER	6063-T6 ALUMINUM	62	NO. 12 X 7/16" PHTF 430 SERIES S.S.	4 PER SHEAR BLOCK	
15	CORNER MULLION INTERIOR COVER	6063-T6 ALUMINUM	63	NO. 12 X 1" PHTF 300 SERIES S.S.	2 PER SHEAR BLOCK	
16	PRESSURE PLATE COVER (USED WITH HEAD, SILL, SIDE, INTERMEDIATE VERTICAL AND INTERMEDIATE HORIZONTAL MEMBERS)	6063-T6 ALUMINUM	64	NO. 10 X 1" FHTFS 300 SERIES S.S.	WITHIN 4" FROM ENDS & 48" MAX. O.C.	
17	PRESSURE PLATE COVER (USED WITH CORNER MEMBER)	6063-T6 ALUMINUM	65	12-24 X 1" FHMS 300 SERIES S.S.	WITHIN 3" FROM ENDS & 48" MAX. O.C.	
18	SPLICE SLEEVE (USED WITH SIDE & INTERMEDIATE VERTICAL MEMBERS)	6063-T6 ALUMINUM	66	NO. 12 X 1" HWHTFS 300 SERIES S.S.	4 PER FRAME END	
19	SPLICE SLEEVE (USED WITH CORNER MEMBER)	6063-T6 ALUMINUM	67	NO. 12 X 7/8" FHTFS 300 SERIES S.S.	4 PER SHEAR BLOCK	
20	PRESSURE PLATE SLEEVE (USED WITH CORNER MEMBER)	6063-T6 ALUMINUM	68	NO. 12 X 1" PHTFS 300 SERIES S.S.	2 PER JAMB SPLICE JOINT 1 UNDER SLICE; 4 PER INTERMEDIATE SPLICE JOINT 1 UNDER SLICE 1 UNDER CORNER SLICE JOINT	
21	ANGLE ANCHOR (USED WITH SIDE & INTERMEDIATE VERTICAL MEMBERS)	6063-T6 ALUMINUM	69	NO. 12 X 3 1/2" FHTFS 300 SERIES S.S.	4 PER JAMB SPLICE JOINT	
22	ANGLE ANCHOR (USED WITH INTERMEDIATE VERTICAL MEMBER AT DOOR)	6063-T6 ALUMINUM	70	10-16 X 1 1/4" FHS DS 300 SERIES S.S.	4 PER CORNER SPLICE JOINT	
23	ANGLE ANCHOR (USED WITH CORNER MEMBER)	6063-T6 ALUMINUM	71	1/4-20 X 2 1/2" FHTCMS CARBON STEEL	WITHIN 4" FROM ENDS & 24" MAX. O.C.	
24	3" X 5" X 3/16" FLAT BAR	6063-T6 ALUMINUM	72	10-16 X 3/4" PHSDS 400 SERIES S.S.	1 PER PRESSURE PLATE SLEEVE	
25	1" X 1" X 1/8" ANGLE	6063-T6 ALUMINUM	73	10 X 5/8" FHTFS 300 SERIES S.S.	6 PER ITEM 24	
26	1" X 1" X 1/8" ANGLE (LENGTH AS REQ'D)	6063-T6 ALUMINUM	74	NO. 10 X 1/2" FHTFS 300 SERIES S.S.	3 PER ITEM 22	
28	VERTICAL SIDE & INTERMEDIATE MEMBER REINFORCEMENT	ASTM A36 STEEL	75	NO. 10 X 7/16" PHTFS 300 SERIES S.S.	WITHIN 6" FROM ENDS & 18" MAX. O.C.	
29	CORNER MEMBER REINFORCEMENT	ASTM A1011 GRADE 50 STEEL				
30	CORNER MEMBER REINFORCEMENT	ASTM A1011 GRADE 50 STEEL				
31	CORNER MEMBER REINFORCEMENT	ASTM A1011 GRADE 50 STEEL				
32	2" X 5 X 3/16" FLAT BAR	ASTM A1011 GRADE 50 STEEL				
33	6" X 3" X 1/2" X 6" LONG ANGLE	50 KSI STEEL				
34	9 1/2" X 4" X 5/8" X 6" LONG BENT PLATE	50 KSI STEEL				
35	INTERIOR FLASHING (LENGTH & BEND AS REQ'D)	H5005-H34 BRAKE METAL				
36A	SPLICE COVER (USED WITH FLASHED 90° CORN.)	H5005-H34 BRAKE METAL				
36B	SPLICE COVER (USED WITH FLASHED 135° CORN.)	H5005-H34 BRAKE METAL				
37A	SPLICE (USED WITH FLASHED 90° CORNERS)	H5005-H34 BRAKE METAL				
37B	SPLICE (USED WITH FLASHED 135° CORNERS)	H5005-H34 BRAKE METAL				
38	COMMERCIAL GRADE HORESHOE SHIM	PLASTIC LOCATED AT EACH ITEM #65				
42	1/2" I.G. GLASS SPACER	3005 OR 3105 ALUMINUM				
			DRAWING TITLE: 8 13/16" DEEP 1630-SS-IR WET GLAZED LMI CURTAIN WALL			
			CONSULTANTS: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555			
			CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
			CERTIFICATION: APR 02 2013			
			DRAWING NO. 1846			
			SHEET NO. 21 OF 21			

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W. W. SCHAEFER  
LICENSE NO. 44135  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER